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ccatggcgaa caatatagat cagactccaa aac 273

<210> 21355
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<213> Glycine max

<223> Clone ID: 700954108H1

<400> 21355

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tcacgagctt tgctatttcc gttggctata cttgtgctca tattaagcac accttgctca 120
ggtgcttttg ggaagagtgg aactaatgtg aaaacagcta tttttctgtc cccaagttt 180
gaacttgac caggatcggg agccaataaa tatgattatg acgctgattt tccaagaggt 240
catatagcac ttaagagttt caatgctgaa g 271

<210> 21356
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700954109H1

<400> 21356

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aaaactatta aagaaaccga caacacaaag gatttgcaga aagtgcagct acttagttcc 120
attttcatcc tctctccatt aactttcagt caaaacaaaa caaacctct ttaggtgtga 180
aattccacgt gccaaaatca tctccgaggc accaacatcg gcagccacat atttctttat 240
ttattgaagg aatcagtata taaaacacct gc 272

<210> 21357
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<212> DNA
<213> Glycine max

<223> Clone ID: 700954110H1

<400> 21357

[illegible]

<223> Clone ID: 700954115H1

<210>	21362
<211>	267
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<223> Clone ID: 700954116H1

<210> 21363

<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 700954117H1

<400> 21363

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gaggcatcaa aaaattgatc ttaaattttt ctgcattagg aagtgtccac aatgtgatcc 120
tattttccgc attagaatta gatgtatctg aacattttcc acaaaacgca ttgacctttt 180
tggtgaacta acatgaaact tggcctagtc ttttctgttc aataattatc tctttaaatg 240
tccaacccaa cctaaagtag ttaccaagca gttactcgg 279

<210> 21364
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700954119H1

<400> 21364

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aaaggaaccg ctactcacc aaggatgaaa ttgatgctta ctggaaatca aagaagaaga 180
tagaggaaga acaccttaga gctatttcca acttgtcaga gactattcag gctagcaaaa 240
gcacagaacc tgagaagaag ttgcagaagt c 271

<210> 21365
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700954120H1

<400> 21365

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aaaaagagaa aagaaaatta tgggaagcga tggcgtgagg aaaccaagat tcctatgcct 120
tcattgggttc cgaacaagcg gagaaatatt gaaaacacag ttacataagt ggctcaatc 180

ggttctagac aacctcgatc tagtatttgt ggatgctcct tttccttgcc ttggcaaadc 240
cgatgtagaa ggcatttttg atccccctta ct 272

<210> 21366
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 700954122H1

<400> 21366

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ccaccaccac caccacaaca acaacgtttg tgtctggctg tggtgtgttg ttagggattc 120
atggcaacaa taaacccttg attcctctcc ccattctccc aagagaaggg ccattttgtt 180
acagtgttgg acacttgcaa atggatttag aagacaagtt cctcgctaaa gtttctggtg 240
ttcaaagcct ttcattccagt gcacaaagta ctccag 272

<210> 21367
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700954123H1

<400> 21367

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cttgtgtcgc atagagctag ttaaaatgtc tgagggaaat gcagggaaaag gaaagagaat 120
cgccatcatt ggcgtctcag ccttattgtt ggtggctatg gttgtggcaa tcacagttgg 180
ggccaatctc aatgagaatg gttccaacaa tgatacagag gacaacaaga aaaatcatgt 240
tgtttcttct ataaaagccg tccaaacctt 270

<210> 21368
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700954124H1

<400> 21368

<213> Glycine max

<223> Clone ID: 700954129H1

<400> 21371

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cgacattgat ctctctctcc gcgatccgt ccgccatgag ttccggcgag ctctccaca 120
tacaaccca ggagctgcag tttccctttg aattgaggaa gcagatctca tgctctttgc 180
agttgtctaa caagactgac aactatgtgg atttcaaggt taagacaaca aatcctaaga 240
aatattgtgt tagacctaac actggag 267

<210> 21372

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700954131H1

<400> 21372

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cgcttttcgc atcacacacg aatgctt 87

<210> 21373

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700954132H1

<400> 21373

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tttggcttta gagagtcaag ttttatgtct ggattagacg atcaaattcc tactgccttc 180
gatccttttg ctgatgcaaa tgctgatgac tcgggtgctg ggtcaaagga gtatgtgcat 240
attcgcgttc agcagcgaaa tggtagg 267

<210> 21374

<211> 282

<212> DNA

002220"ETFE550

<213> Glycine max

<223> Clone ID: 700954101H1

<400> 21374

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gtggcggagc ttgttcagga aggagcacgc cgattcgact cagatgctct tggagaactc 180
ggtgtgcttc acggtagggg tcatggcggc gaatctcgcg attctggaag ccgcatttga 240
ggagaaaacg gagacgagca ggttctgcgt ggtggatttt ga 282

<210> 21375

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700954065H1

<400> 21375

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ttggggcacc accaccacca ccacaaaccg gcggcggcgg ctatacatcc gtcgcaaccg 120
ccgcagtctc agccgcaacc cgaagttcct cgccggagct ccgatgtgga gaccgataag 180
gatatgtcag ctactgtcat tgaggggaat gatgctgtca ctggccacat aatctccacc 240
acaattggag gcaaaaatgg ggaacta 267

<210> 21376

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700954068H1

<400> 21376

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aaaagaagat gcagtgaagtc acagtcatag aatagaaaca gaggcacccat ttccgttttc 120
caacaacctc taccctaacg ccgttataac ggttcgtgcc tccgcgacgc gacgcttcaa 180
ctgtgaaaacg gacgcgacgt agtttatata aagcgccgct cctttccggt tgtgcgttaa 240

tcaatcagca agacgatgac

260

<210> 21377
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700954069H1

<400> 21377

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ttctcagaga gctgctgccg ccgctgctgg tatgtattgc ggagacactt ctacaatgga 120
agagttgcag agtgcaatcc aaggagctat cgcgcatctg aagaactctt tgattcagac 180
caacaaaaca atgggtcagta acgaaatcta agtctaatta attaattctaa tcaaatact 240
ctttttccgt tgtaaat 257

<210> 21378
<211> 251
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700954070H1

<400> 21378

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ttcttcagca attcttctca tcgtagggga aaacatgaag ttctgcaaaa agtatcagga 120
atacatgcaa ggccaggaga agaaacttcc atgtgtagga ttcaagaagc tcaagaagat 180
tctgaagaag tgcaggagaa actcttcac cctgaaaccc cttaatgcat cccttcgnca 240
aaacctgccc g 251

<210> 21379
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700954071H1

<400> 21379

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0023E0"CTT560

caagccggac agcctcaatt gaaagccttt cttccaagag tgggcacgac gaggaagaaa 120
aatccaaagc tgatcacaat gctcttcttg atgatgggtg gtatatatttg tcggactgaa 180
ttccggagtt tactgactat ttgttctgct gagagtggaa aaacatagga gttaatgcta 240
tattgtttat a 251

<210> 21383
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700954075H1

<400> 21383

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atgaggctag attgcaagcg cgctgttcct ttgttaatcc agaataggga ctttaataagt 120
ccacctgaag ttgtgaatca acttctaaat gcagatgata agagtgattg tagatatattt 180
ttacatttat atctccactc attatttgaa gtaaactctc atgctgggaa agacttccat 240
gatatgcagg 250

<210> 21384
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700954076H1

<400> 21384

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acgctcaaaa cggcgggtcg gagaatgccg ctgctgctgc tacgggtgctg tttgtcgctg 120
tgaagccgca gctcctcgtc gaagctccca aagccaacga cgccattctg ttcttcaagg 180
ctgcgttttg cgctgaggaa gttggccgta cgctcaaccc taagcgcaaa gctgagcacg 240
agctcc 246

<210> 21385
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700954077H1

<400> 21385

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gttttagtggc tataccgatg gtgtgggtcag agtttgggct attggacgtt attagggttaa 120
gcttttttagt gtttttcagat gcgaatctgt ttttgagttt tgggacaaag ttagttactg 180
ctttactgta gaattgattt ttatgttgaa gaccgtggca ctgaggcctt ttatttatatt 240
ttaaaac 247

<210> 21386

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700954078H1

<400> 21386

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gggtcataag agtgtgtttt cggtcggggc gttgggattc ggtcgggctg agtccgaccc 120
aaatagagga tccgaggttt tgcgttggct tgacgaggtg gaggaagaag cgtcgggtgtt 180
gtacgtttgc tttgggagtc agaagttgat gagaaaggaa caaatggaag cattggcggt 240
gggatt 246

<210> 21387

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700954079H1

<400> 21387

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tctacgccgc acgccgaaac catggccgga aaaggagagg gtctgtctat cggaatcgat 120
ctcggaaacca cctactcttg cgtcgggtgtg tggcaacatg accgcgttga aatcatcgcc 180
aacgaccaag ggaacagaac cacgccgtct tacgtcggat tcaactgacac cgagcgtctc 240
atcggtgatg c 251

<210> 21388
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700954080H1

 <400> 21388

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 ttactgtgtt taattgggat gtgttgctgt tgcacaaatt gagatattgc aagtgaaatg 120
 aaggccaggc acatctcatt cttctcttga tatttctgat ggcactcgct gcaaacaaag 180
 tttctagcag tcttattgtg actaaaagaa cagctctttg cagatcacat gaaaaacact 240
 atttttcctc gtc 253

<210> 21389
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700954082H1

 <400> 21389

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 ggcgagggat ctggtgttat tgttgaggga tccctggttg cggacctgtt gcaactcccc 120
 cagctgctga cactaaggct gctgttgctg aggatgacga tgatgatgat gttgatttgt 180
 ttggtgaaga gactgaggaa gagaagaagg cagctgagga acgggcagct gcagtgaagg 240
 catctgc 247

<210> 21390
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700954083H1

 <400> 21390

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 tatatatatg atcatgggtt ttcttcacaa gctttgggac gaaacgctgg cgggtccggc 120

accggaacg ggtctgggga agctccgaaa gtacaattcg ttctccggcg gaatctccgt 180
 ccggtcaacg gtggcggagg cagttccgat aagtcgcagc atcaccattg ttcggtccca 240
 gtctggtttc ggaag 255

<210> 21391
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700954084H1
 <400> 21391

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 tatgttgttt aataggaagt tagaatacag gtgtgaatta agtaaataca tggatagtct 120
 tggtcctatt gaaaatacca gtctaaggga agaccctaaa attttaaccg atatagaaaa 180
 aaaaattcac agggatttgg attatttaga aatggaaggt tttttttcta gcgatctgaa 240
 tactgtttct aagaatg 257

<210> 21392
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700954086H1
 <400> 21392

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 aggaaatact acgggagtgg aaaaacaaag gaagcaccat ggagagaatc acagcttaaa 120
 gggttgcaca attttctcgt ggaaaaagag gaagaattgt gacgggcctc acagcatgat 180
 ttggggaagc attacgtgga ggcttttaga gacgagcttg gaacattaaa tgtaagccct 240
 taaacttggc aacca 255

<210> 21393
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700954087H1

[illegible]

<400> 21396

<210> 21397

<212> DNA

<223> Clone ID: 700954092H1

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gtggtgttcc tcaatctgct actccagaaa ctcttcttaa ggaggctatt catgttatca	120
gctgtggtta cgaggataaa actgattggg gaagtgagat aggatggatt tatggttctg	180
tcacagaaga tattcttacc ggatttaaga tgcattgccg gggttggcgg tctatatact	240
gcat	244

<211> 249

<213> Glycine max

<400> 21398

9016

249

<210>	21399
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<212>	DNA
<213>	Glycine max

<223> Clone ID: 700954094H1

<400> 21399

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aatctgcgga ggtgc 75

<210>	21400
<211>	248
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700954095H1

<400> 21400

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gatgggagac gagaataaga ccaagtcccc tgcttccggc gtgtggtcca ccatcaagcc 180

tttcgtcaat ggcggagctc cggcatgctc gccacctgcg tcattcaacc catcgatatg 240

atcaaggt 248

<210>	21401
<211>	254
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700954064H1

<400> 21401

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ggaataaaga tgaggctaga ggattttaag ccttcggaga cttatttcta tgattttatt 180

gatctttcgg ggaatgaaat ttcagggagt gcaattgggt tgggtgaatag tactgagtat 240

ttggtggggt tttg

254

<210> 21402
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700954038H1

<400> 21402

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ggcgttgctg ccatccccctg gcatggggcca cctaatacca atgatcgagt tcgcaaagcg 120
agtgggtgtgc taccataacc tggcggtgag tttcgtgatc cccactgacg gcccaccttc 180
aaaagcccaa aaggcagttc tggaggccct tccggactca atttcccaca ccttcctccc 240
tccggtcaac tctccga 257

<210> 21403
<211> 160
<212> DNA
<213> Glycine max

<223> Clone ID: 700954039H1

<400> 21403

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ccagaaagat ttgcaccttt gtacttcatt tatttaaatt ttgaatattg tgtattactt 120
ttgatgaatt tagttaattt ttagttcgcg taaggatttt 160

<210> 21404
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700954040H1

<400> 21404

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acgtgtaacg gggagctgct tcgaggatca gacgcttatt gatggatatc gcagtaaata 120
taacgatgca gtgattcatc tttttgttag ggtgaaatat gcagaagtta ggacgggaca 180

agatgagttg tccgttgtgg caaaggagtt gaaagataca aaagattatg atgttagtga 240
aactaattgt aggaaaa 257

<210> 21405
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700954041H1

<400> 21405

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ttcctccgcy cegtatatta attccccctca ttttcgctca caacttaagc tttccagcaa 120
ctcctctttg cacaagccac tcatgcgcyga caagactgtg ctggtaaccg gcggaccggt 180
acatcgccac ccacaccgtt cttcagctct tgctcggagg ttgcagaacc gtcgtcgtcg 240
acaatctcga caattcct 258

<210> 21406
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700954042H1

<400> 21406

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atctcaatga tggcataacc agtgcacaa attcaaagat cagcatcccc ataattgacc 120
tcacagtcac ccatgatgat cctattttga gagatcatgt tgtgggaaaa gttagatatg 180
catgtgagaa gtggggcttc tttcagggtta taaatcatgg aattccaact catgttttgg 240
atgagatgat c 251

<210> 21407
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700954043H1

<400> 21407

003334-03300

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gctgaagagc tgcgtcgcat tatggactat aagcataata tccgtaatat gtctgtcatt 120
gctcatgttg atcacggaaa atcaaccctg actgattctc ttgtggctgc tgctgggtatt 180
attgctcaag aagttgcagg tgatgtccgt atgactgata cccgtgcaga tgaagctgag 240
cgtgggtatta 250

<210> 21408
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700954044H1

<400> 21408

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ctcttattat gatgggtctt gatcaagatg ctagcagcaa ctctggcctt catcttattc 120
taggggttagc tttgactgcc accaccacca ctactccatc actaccatcc atttccaaca 180
agcttgatca tgttgatcat catcaccatc ttataactct tagaccaaca acaaagtcac 240
cctataattc c 251

<210> 21409
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700954045H1

<400> 21409

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aagctgagga aaaggccaac gagatctctg tctccgccga agaggaattc aatatcgaga 120
agctgcagtt ggtcgaagcc gacaagaaga agatcaggca agaatacgaa cgcaaagagc 180
gccaaagttga aattcgcaag aagattgagt actcgatgca gctaaatgct tctcggatta 240
aagttcttca a 251

<210> 21410
<211> 250

00220"ETTES6

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700954046H1
 <400> 21410
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 aaaaaagcaa aaaaaaagcc aaggtttgga gccaacaaaa ataaacacaa agcacaagtc 180
 atggaaagaa taatggttgg aagtgcacaa aaggttgctt tcaccctctt ggccactttc 240
 gccattgtca 250

<210> 21411
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700954047H1
 <400> 21411
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 tccctttttc agcaaggcct accaccacca gagtggtggt ggtgaagtct caggccacag 120
 cacctgcttc ttctgaggct gtggcagtga ccacctgtgt cttctgagat gaaggcatgg 180
 gtctatgggg aatatggggg tgtggatggt ctgaagctgg actccaatgt tactgtgcct 240
 gatgtgaagg a 251

<210> 21412
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700954049H1
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 tctatcatgt gttctagagc atgtggtagc agagttgact gcatttctta gaaaagctaa 180
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267

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gatttttggc atgctgtttg gccaaacact ccattccaa gttcattgag agatcttcta 180

aagtctggcc ctgcaagtgt tgaaatcgat gatcacccta tgcaaattga cgacacagta 240

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<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700954051H1

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gaatctgtta cacctgctcg cattgaggag catgggtttg agagcaccac aatttcagac 180

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accgtttatg atgctgtta 259

<210> 21415

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<212> DNA

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00220-03200

aacatcacc gcattgttgc caaacacccc ggcttctcca ctttcaacca ctatctctcc 120
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 aatgccgcca tgtctccct cctcgacaag cacctctccc tccccacat caaaaacgtc 240
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<223> Clone ID: 700954053H1

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 tgaatcagtg aacgaggggc accctgacaa gctctgtgac cagatctccg atgctgtgct 180
 cgatgcatgc ttggagcagg accctgacag caagggttgc tgtgaaacct gcaccaagac 240
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<223> Clone ID: 700954054H1

<400> 21417

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 tcaagagggtt tctgggtgagg accatcttga accgggttgc attcaaaaat gttcaggagg 180
 ctttgtctat gaacaatata cgcttccgaa gctttatgtg aagatgcata ttgtgttcct 240
 gtgctatcca ct 252

<210> 21418
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 <212> DNA
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<223> Clone ID: 700954055H1

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 tggagaaaac acatgtgggt ccttggttaa aaagcttcag gaaatatggg atgagggttg 180
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<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700954056H1

<400> 21419

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 tcggccaccc tcatatggat cgcttcagcc cttcatgcag ctgttaactt tggacagtat 180
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<210> 21420

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700954057H1

<400> 21420

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 gacggtgata ttcttcagaa tcctggcaca tactttatct tgtccgtttt tcgacccggc 180
 ggcggagtag aattcgccgc cactggaaac gaaacttgcc ctctcactgt cgtgcagact 240
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 <223> Clone ID: 700954061H1

 <400> 21424

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 ctacctaatg ggctttttgcc attgaaggac attgaggaat gtgggtatga gagggatagt 180
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 ctggttt 247

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 <223> Clone ID: 700954062H1

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 tcacctcttt gtggggaata tttgactgtg aagtctctgtc tttctccctt gcagaggcat 180
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 gttctaaata 250

<210> 21426
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 <223> Clone ID: 700954063H1

 <400> 21426

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cttccaattc cacgtggcaa aaaggagaga ctctgattct gagccgcttc tagaaccttc 180
cattgtccaa gaagtttcat tccacgacga caacgaagaa gaagaattcc ttgacgaatt 240
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<210> 21427
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700954037H1

<400> 21427

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aagaacatag tgtatgtgtt tcaaaactgt gattttgtta tctgttcttc aaaaccattg 180
aagatgaggt ggctctttcc tctcctcttt cttttttcgc ttggtcttac tgttactggc 240
caagaatcca ttgagttc 258

<210> 21428
<211> 255
<212> DNA
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<223> Clone ID: 700954010H1

<400> 21428

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gtatttctct tcctctaaag accgagtcgc actcggaggg cgaagaaggc aaactcagta 180
acctttcctt ccttcactac acgagagaga gacctcagtg tctgagacgc aggcaacgtg 240
cattttccca tacga 255

<210> 21429
<211> 253
<212> DNA
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<223> Clone ID: 700954012H1

09611-03200

<400> 21429
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 accatgctgg agaatacaaa ggggagcacc atggtgaaca cagtagtgag tacaaaggag 180
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 aggggttcct aga 253

<210> 21430
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700954014H1

<400> 21430
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 agatggacac tggcattcca tctcaaaggg tgctccttg tttccttatg aaggtaaaga 180
 aataagccgt ttatcttttg aatcgcgaga aaccatcaaa tccacaccaa agctaaaaga 240
 gcttcctaga cttt 254

<210> 21431
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700954015H1

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 ctcttcttct tggaaaagga cttgcattct ggaacaaagt tggacttgca cttcaccagg 180
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<400> 21433

<210>	21434
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<400> 21434

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aacgatctca gagtttttga taac 264

<210> 21435
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<223> Clone ID: 700954019H1

<400> 21435

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taacctcact attactgatt atttccagac ctaccagttc gagaatctct tctccaagcg 240
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<223> Clone ID: 700954020H1

<400> 21436

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gcgtgtttgtg tccttctttt accaccaacc atggccttag gagattgcac ctgtgacaca 180
aaagaggcca caaagagtga ctcaattgaa gtcctccact acaaaattgg ctcaattgct 240
tctgtgcttg ttgctgggg 259

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<212> DNA
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<223> Clone ID: 700954021H1

<400> 21437

<212> DNA
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 <223> Clone ID: 700954024H1
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 aaaaatacac acacacaggc tggaggggat gcagaggtta taaaggttca cagcattctg 180
 gaggatgagg ttaatcagaa aaagaaactt gaagaagaaa taataatatt aagaagtcaa 240
 ttat 244

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 <213> Glycine max
 <223> Clone ID: 700954025H1
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 tggaactgtg aagatttttg ttttagactg tgctggtttt gtttggtaat tttatgcact 180
 aggggtgctt tgtgttacta caaggaaatg ctttcttatt ggattgcagt gttttagtta 240
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<210> 21442
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700954026H1
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 aaacgatgaa cagtgatagg aaaattgggg ttgccttggg cttttccaaa ggaagcaaaa 120
 tcgctctgaa atgggctatt gacaatctta tcagcaacgg tgacactctc tacatcgctc 180
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ctctgattcc attgt

255

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<212> DNA
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<223> Clone ID: 700954027H1

<400> 21443

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gcactcctgg aaaggggtatt cttgctgctg atgagtcacc agggacaatt ggcaagcgtt 180
tggccagcat cagtgtagag aacattgaat ccaacaggcg agctcttagg gagctgctat 240
tcactgctcc t 251

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<223> Clone ID: 700954028H1

<400> 21444

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cgaagttctg acacgggagt tagccgacga cggatactcc ggcgtggaag ttaggggttac 180
gccgatgcgc accgaaatca tcacagagc gagcaggccc ctatccagtc tccaacccca 240
ttgacgcgtg 250

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<212> DNA
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<223> Clone ID: 700954029H1

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<223> Clone ID: 700954033H1

<400> 21448

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ggtagctttt accaagactt tgaaataacg tggggtggtg agcgtgccaa aatctatgag 240
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<210> 21449

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<212> DNA

<213> Glycine max

<223> Clone ID: 700954034H1

<400> 21449

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tggtgcccggt actccggagg tgaaatgcgc aagttggagg cttgctgtgg aagcagacaa 180
catctttggc tttgagacca ttcctgaaga gtgcgttgaa gcaacaaagg aatacatcca 240
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<210> 21450

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700954035H1

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tgaggctaag ggaagatcta gacattatat agtgttgcag gagtggctgg aagaggataa 180
gaaagagaaa agcaattcaa acagtacaaa caaaaaggat gtggaatcta ttttaacttt 240
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 <223> Clone ID: 700954036H1

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 cgagtcaagg agcgggtc 258

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 <211> 260
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 <223> Clone ID: 700954009H1

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 atgcagaaca tgaaggggtg ggcaggtatc caacagacat tattggaaga acaagagaaa 180
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<210> 21453
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 <212> DNA
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 <223> Clone ID: 700953970H1

 <400> 21453

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ccaagaagaa gcgaaacaac ttctcacgcg ctgtctcaat cttggaatct ctgctctaaa 180
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<210> 21454
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 <212> DNA
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<223> Clone ID: 700953971H1

<400> 21454

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 gtg 243

<210> 21455
 <211> 244
 <212> DNA
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<223> Clone ID: 700953973H1

<400> 21455

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 tgaaatttgg ttggagaatt atagtaggat caatcattgg atttttggga gcagcattgg 180
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 ggct 244

<210> 21456
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 <212> DNA
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<223> Clone ID: 700953974H1

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 ggtga 245

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 <212> DNA
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<223> Clone ID: 700953975H1

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 taa 243

<210> 21458
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 <212> DNA
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<223> Clone ID: 700953977H1

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<210> 21459
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 <212> DNA
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 <223> Clone ID: 700953980H1

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 aatatgatca tgactgcaaa gcggagcata aagaaatcag aagaggacat acctgtgcca 180
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 taccaagtcg tca 253

<210> 21460
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 <212> DNA
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 <223> Clone ID: 700953981H1

 <400> 21460

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<210> 21461
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 <212> DNA
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 <223> Clone ID: 700953982H1

 <400> 21461

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cgaggtaaga ttccggtgaa attttgcttt ggtccgaggg ggaggggtgga attaggatcg 240
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<210> 21462
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 <212> DNA
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 <223> Clone ID: 700953983H1
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 gacgaagacc aaccccaacc ccacgattcc gacctcgaag attccgacga tgaagccgcc 180
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<210> 21463
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953984H1
 <400> 21463

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ggtgccagat gttggcgaag ccgaagagga ggacaacctg ctgaacgccg agcaccactt 180
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<223> Clone ID: 700953989H1
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ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca ttttcgccgg 180
aaagcaactt gaggacggcc gtacccttgc tgactacaac attcagaagg agagtactct 240
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<210> 21466
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<212> DNA
<213> Glycine max
<223> Clone ID: 700953990H1
<400> 21466

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ttctgggttt tctatttgag attcgttggt ccaatgagcg atcacttggt ggtgttcggt 180
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ctc 243

<210> 21467
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<212> DNA
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 <223> Clone ID: 700953991H1
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 <223> Clone ID: 700953993H1
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 gctcttga 248

<210> 21469
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 <223> Clone ID: 700953994H1
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 aacggttgaa ttgaagatga aaatcactgt catgactgct gatgaacaaa tcatcacggt 180
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 gaaactccac cctcgggttta ctaactctcc cttgttgtca cccatcgtag caaaaaaaga 180
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<210> 21474
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 <213> Glycine max
 <223> Clone ID: 700954005H1
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 gttctggagt ttgtgagggt gattagtga aagcagcaag tggttgctgg agtgaattac 180
 tacataacat tggaagcaaa agatggtgag attaaaaatg agtataaagc gaagggttgg 240
 gagagggaat cccaagagtt gc 262

<210> 21475
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700954007H1

<210> 21478
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953933H1

 <400> 21478

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 aaggcctcgc cggcgagatt cccgaggctg ttcaatcagc gatcgagcac cggcgaaaag 180
 cggcgaagat gaaggttttc gtgaagactc tcaagggcac gcacttcgaa attgaagtga 240
 acccttcgga cagcgtttct g 261

<210> 21479
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 <212> DNA
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 <223> Clone ID: 700953934H1

 <400> 21479

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 gaaatggaga gcaatttgaa gaaatgactt taaatctttg tgtactgacc cccaatcgaa 180
 ttgtttggga ttcggaagtg aaggaaatca ttttatctac taatagcgga caaattggag 240
 tattaccaa tcattgcgc 258

<210> 21480
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 <213> Glycine max

 <223> Clone ID: 700953935H1

 <400> 21480

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 ggggtgggtg gacaaggact acaaggaggc acccccagct cctttgtttg aacctgggtga 180

002220"ETT550

gctcaaatca tggtccttct acagagctgg aattgctgag tttgtggcaa tttcttggtc 240
ctctacatta cca 253

<210> 21481
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<223> Clone ID: 700953936H1

<400> 21481

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acgattttat aaacagatat gatacaccgt tgctgagaga gagaatcttc cacttctcag 180
cagagtctat tgcaaaactg aaagcaaagg ctaactcgga gtgcaacaca accaaaatct 240
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<210> 21482
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<223> Clone ID: 700953937H1

<400> 21482

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tagtcctcca taactgcgag atcatgccgg accctaccct cttggcagac cgcttgagcg 180
tgaagactta cttggccagg ccatggaagg cattctcaag ggcagtgttc atcgagaatg 240
ttatcgggga 250

<210> 21483
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700953939H1

<400> 21483

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255

<210> 21489

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700953948H1

<400> 21489

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acttacgctg atccataatt tgttgctttt cttccttcgt acaatgtcag aactttagca 180

tcaccttttt gcctttcctt cttactaact cagataacta ccgccaccat gacttcaaaa 240

tctagacca atctatctga aaattccaa 269

<210> 21490

<211> 258

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caaaagcttc aagtccagta gccatcgga cgaactttat tacgaagcgg agatcgaatt 180

gatgacgagc aatgactcca acaccatgtt cgtcgatttc gaccacgtca tcagattcag 240

cgacctcctc cagcaaac 258

<210> 21491

<211> 254

<212> DNA

<213> Glycine max

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gagattgggg atggagctaa ttttaactatt tcatttgctg gggaactcct gcaggggtgct 120
gaggaactta tcaggatggg tttgcatccg agcgagatca tcagtggata cactaaagcg 180
atcaacaaga ctgttcaa attgatgaa ctggttgaga atggttcaga gagtatggat 240
gttcgtgata agga 254

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<212> DNA
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<223> Clone ID: 700953951H1

<400> 21492

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cctgctcctc cggcacatgc ttctccccct gaatactttg tcctccaggg gaacacaact 180
tataaagacg atctatatatt aaggaagagg acagggatgc gtcggtgggt ttgttgaca 240
tgtcaggtgg aa 252

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<223> Clone ID: 700953952H1

<400> 21493

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acacgttgga ggagagggaa ggtggtggtt ttgaaactag accttgcaaa gattacaagg 180
atgattaact tttttgcttg acgagcattc tttatctgta ctagtattgt tttccctttt 240
tatgagcag 249

<210> 21494
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<223> Clone ID: 700953954H1

<400> 21494

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 aagttcagaa tgtaataatt ttaattttca accacttcct gaacctaata ttgttgagaa 120
 gatttacaca acaaattgct ctgatgagaa gcccagtta tcttcctttg aaagctcaca 180
 aatagaagaa acaaattgca ttgaaactga ggagaagggt gatgtgaatc caccagagtc 240
 tgaggt 246

<210> 21495

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700953955H1

<400> 21495

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 ttggagcttt aagccattgt gcattctctc tcatttgtgt cactgtgaag aggggtgtgt 180
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<212> DNA

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<223> Clone ID: 700953956H1

<400> 21496

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 gagccatggc ttatgcacag cagctgcgta tgagtcaggg tcaaatcagg cagcaactat 180
 cccagcaagg ttcaactaac actgcacagg ttcaaggttt accaaggtca tcatcccttg 240
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[illegible]

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<400>	21498
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<210>	21499
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<400> 21499

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 ccctcttctt tact 254

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 tgacgaatag cctgatcaat tgcctcggtt acctccagaa cggaggaacg ccgccgtcgg 240
 gatgctgcaa cggagtgaag agcctcaatg ccgccgcaa ga 282

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 <213> Glycine max
 <223> Clone ID: 700953965H1
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<210> 21502
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 <213> Glycine max
 <223> Clone ID: 700953932H1
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tgcaagccgt gtcattgcaat gatgtttctg tgaacctagc accgtgccta tcttacctga 180
 tgcaggggtgg agatgttcca gaatcgtgct gtagcggagt gaggaacatt ctgggttctg 240
 ccagcaccac ctttgaca 258

<210> 21503
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 <223> Clone ID: 700953966H1
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 aaattgcgag attcactgct taccctagca gcagattttg ggttctgacc caattattca 180
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 <212> DNA
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 caacgagctg aagcgcgtgt tccagatgtt cgaccgcaac ggcgacggaa gaatgacgaa 180
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 cc 242

<210> 21505
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 caaacctaac cagtaaaaat ggtgaccgtg gaggaatcc gcaacgctca gcgttcccat 180
 ggaccgcga ccatcttggc cttcggcacc gccacgctt ccaactgct ctcccaag 238

<210> 21506
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953896H1

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 gctcagaggc ttcacgctg agaagagatg cgctcctcta atgctccgtt tggcatgg 178

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<223> Clone ID: 700953901H1

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 cgacaccatc gataacgtga aagctaagat tcaagacaag gaagggatcc cacctgacca 180
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<223> Clone ID: 700953902H1

<400> 21508

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<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700953903H1

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<223> Clone ID: 700953904H1

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 <223> Clone ID: 700953905H1

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 cttttgattt aaccttcttc tatgactatg ctactccaag caaagtagtc ctatggctgg 180
 catctatctt ctccggcatc atcctatgtg ttcttgctta tacatcaact gctattttga 240
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 <223> Clone ID: 700953906H1

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 tgatagattc gacaacttct aagctacagc agctgcagta ggtatcagct tgaccggaaa 180
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<210> 21513
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 <223> Clone ID: 700953907H1

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tgca 244

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<223> Clone ID: 700953908H1

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tgagtttgag gagaggttga agaaactgat ggaagagatc aaacaaagtg acgagataat 180
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tgct 244

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<212> DNA
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<223> Clone ID: 700953910H1

<400> 21515

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gccgccgttg ccggcgggtt atatgccatt ctttcatcct caacctctgc tagctctgag 180
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<212> DNA
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<223> Clone ID: 700953911H1

<400> 21516

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<212> DNA
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<223> Clone ID: 700953915H1

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 acgatcttct cctcgcgcgc accaccaccc tccctggaa ccctaaccct aaccctaacc 180
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 cgccccgcgt cccgatcg 258

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 <212> DNA
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<223> Clone ID: 700953917H1

<400> 21520

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 actgtgctta aaggatccat cgtcaccgct gattttcgat gtgatagggt tcgggtttgg 180
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<223> Clone ID: 700953918H1

<400> 21521

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 caagaçaaga aagcgttgct ccaactccag aaggacctcg gcaaccctta tcacatcata 180
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257

<210> 21522
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953919H1

<400> 21522

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cttcttctat aacatcgacc ggggtcgtcc tctcgaaaaa tgctacctct gcgtccacaa 180
tcacaggttg gagcaccaaa aacatcgctg tctcttgttt cctcagacc cctcctgtct 240
cctgatgaac ct 252

<210> 21523
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700953921H1

<400> 21523

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aataacaatg ggaatgatag tggattttga aaatgaccaa aacgacgccg ttctgggtcc 180
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caatttccc 249

<210> 21524
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<213> Glycine max

<223> Clone ID: 700953923H1

<400> 21524

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 gacaccaaac taggagcagt ttttgttttt ctgattttgt tgacttgttt tgattttgtt 240
 tcagtt 246

<210> 21525
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 <212> DNA
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<223> Clone ID: 700953924H1

<400> 21525

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 cggaatcgat ttgggaacga cgtactcttg cgtcggcgtg tggcaacacg atcgtgttga 180
 aatcatagcc aacgatcaag gtaacagaac taccatcc tacgtggctt tcaccgacac 240
 agaa 244

<210> 21526
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953925H1

<400> 21526

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 cttctctctc gtccatattt tcacatagag cgcggcgatg gaaggcttag gctgtgtttg 180
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 gatacca 247

<210> 21527
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<223> Clone ID: 700953927H1

<400> 21527

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 aacaaggacg aggccagata atggacacct tggctgaaat acaagagcga catgaagcag 180
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<210> 21528

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700953891H1

<400> 21528

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 gatcgaaacc ctaaaacgcc gcatcaacga cgctgacact ccgaaacgca agatcaagga 180
 gtacatcatc cgcctcctct atgtcgagat gctcggcgac gacgcctcct tcggatacat 240
 cca 243

<210> 21529

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700953928H1

<400> 21529

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 attgtgtcat tcatgggtgtt cttagcacc ttgccaacct tctatacaat ttacaagaag 180
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 cttctatat 249

<210> 21530
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953849H1

<400> 21530

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 acctcaactc cggcaccaac ggctggggcg cgccgccagg ctccgtgttc tccctccgct 180
 ccgagagtta ctttgagaac cgccaaaaat ctcccgccgg cgactacctc ctctcgccgg 240
 cgggcatgga ctggctca 258

<210> 21531
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953851H1

<400> 21531

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 aagagagtgt tgcttacctc caacggcgac gacatttctc aaggcattgc cttccatttg 180
 gtgaagcaag ggtgcagggt ggttttgctg ggagatcaga attccctgcy gacatcgcy 240
 acaaaat 247

<210> 21532
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953852H1

<400> 21532

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actgggagtt tgccataggg atgtgaagcc tcaaaatctt ttggttcac ctcttactca 180
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<210> 21533
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<223> Clone ID: 700953854H1

<400> 21533

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 gtttctgaca atctagctct tggtttttct gatggaaatg agtttgaccg gcaatgtcgt 180
 catgagctca ggcaaaattg tttagttctc tctccaccaa attacaagat tcctcttagg 240
 tggc 244

<210> 21534
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<223> Clone ID: 700953855H1

<400> 21534

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 agggaaaaaa tgtggaaagc ttcaccagct tggaggcacc aaggaagaaa agcaagagga 180
 tagaaaacaa gaggagggtt agtgatgaac agttaagatc actagaatgc atatttgagt 240

<210> 21535
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<223> Clone ID: 700953856H1

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 aatatggaaa atggcatttg tgaacatgaa cattgtagag ggaaatctaa gtgaacatgg 180
 ctgttgaata ttagcagctg cccttaatgt ggagtatctt gagctaggaa aaaaaattgg 240
 cacaaaa 247

<210> 21536
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953857H1
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 tcaagaagct gctgcgacta agctcactga gctgaagaga ccggaggcta aaactgattt 180
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 aggatatgg 249

<210> 21537
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953859H1
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 gccatgcgct tcaactcaag cgtgtgctcc cttcctgcac gaaaatctag cacctttgcc 120
 actctgtcac aaccccgaa cgactgggtt gaagccacta acagtttctt cgaccaagac 180
 aaacgaccca tcatgttatt tgacggagta tgcaacttgt gcaacggggg tgtgaagtgc 240
 gttcgt 246

<210> 21538
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953862H1

<400> 21538

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tgcttggttac gggagccggt ggtcgacacag gacaaatagt ttacaaaaaa ttaaaagaga 120
ggccaaacca atatgtggct agaggtcttg ttagaacaga tgaaagcaaa cagaacattg 180
gtgctgcaga tgacgttttt gttggggata taagacatgc tgaaagtatt gttcctgcaa 240

<210> 21539
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953864H1

<400> 21539

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gcatctgaag gttactacac tggggatgat gattcaagca aacagaatct caccctcaaa 180
agtagggtag atattctagc tgggggt 206

<210> 21540
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700953867H1

<400> 21540

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aaatcgacgg tgggagacaa ggctccggcg gagaagaagc caaaggccgg aaagaagctt 180
ccgaaggagg gaggcgccgg cggagaaggt aagaagaaga agagaaacaa gaagagcgtg 240
gagacataca 250

<210> 21541
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953868H1

<400> 21541

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 actcttttat tctctccttt aaactctgat ttctttcttc ttcttcctg attccacagc 180
 gctgatccct ttgccaagaa agactggtac gatatacagg ccccttcct cttccaggtc 240
 aagaa 245

<210> 21542
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 <212> DNA
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<223> Clone ID: 700953869H1

<400> 21542

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 gttggatatg agattgaaaa ccagaggatg cagcttgaga attgcttgat ccagtacttg 180
 actcatacta gtaagacaat gggaatttct ttggcaacta aagaggcaag tgtcacaatg 240
 caaa 244

<210> 21543
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953873H1

<400> 21543

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 cttcattggt catacttcat actctaactg ttcacottaa atttctgtc caagtaactt 180

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gggtgatgta gagttttttt atttcttcac cttcctgggt tttacttttc atattcctac 240
ttcatttg 248

<210> 21544
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953874H1

<400> 21544

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attagctact gatttcactg ctgacacatt gggtttcaag acctatgctc cagcatatct 180
tagcccatat gcatcaggga aaaacctcct tattggagca aactttgctt cagctgcatc 240
tggtta 246

<210> 21545
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700953875H1

<400> 21545

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gcctcaccgg cttcggcgaa atggatctgc cgccggcacc gatccggtgg cgcgcaaccg 120
caatcccat ctttgtggcg gttctctttg tatccaccat ctccccttcg cgcgcaatct 180
actgcgacga agatgattgc tacgatctac ttgggggtttc tcaaagtgcc aatgcttccg 240

<210> 21546
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953876H1

<400> 21546

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atcatacatt gactctatca gtttcattcc tgaatcaatt agtttcttca ctttcacttt 180
ctaactggga ggatcaaagt gtgtgtcttt gtcctcttgg tgttgtttct tcttcttctt 240
ca 242

<210> 21547
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<212> DNA
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<223> Clone ID: 700953880H1

<400> 21547

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ccttcaaagc ttccaagtga gaactatgat ggttccagca caggccaagc tcctggagaa 120
gacagtgaag tgattatata cccacaagcc attttcaggg atccattcag aaggggcaac 180
aatatcttgg ttatctgtga tacttacatt ccagctggag aaccattcc cac 233

<210> 21548
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700953881H1

<400> 21548

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gaatcgagtc acagagtaga gcgaaatcgg cgtagagata caaaaatgcc aaaagttaaag 120
acaaatcgtg ttaaataccc agagggctgg gaattgattg agcctacact ccgtgaactt 180
caagcaaaga tgagggaagc tgagaatgat ccacatgatg gcaaaagaaa atgtgagaca 240
ttatggccaa ta 252

<210> 21549
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700953885H1

<210> 21552
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953888H1

 <400> 21552

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 gagatgagtt ccaaagagag ttgcagaagt gaacttcgca ttgcgatccg ccaactcagt 120
 gatcgatgtc tctactctgc ttctaaatgg gctgcagaac agttggtggg tattgagcaa 180
 gaccctgcc agttcactcc ctgcaacacg agatttcagc gtgggagttc gagcattcgc 240
 agga 244

<210> 21553
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 <212> DNA
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 <223> Clone ID: 700953889H1

 <400> 21553

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 agagatcctg aacctctggc actccctcca cttggacctt gtccaaatcc tctgctccgc 180
 cttcctcatc atcttcatcg ccaccgtcta cttcatgtcc aaaccccgca ccatctacct 240
 cgtcgac 247

<210> 21554
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 <223> Clone ID: 700953847H1

 <400> 21554

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 gagaaccac ggcctggagt cattattaac agtccacacg gaaatgatgt ttacaagggg 180

gttcctaagg attacgttgg tgaagatggt actgttgaca acttttttgc tgctatact 239

<210> 21555
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953890H1

<400> 21555

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gcaccccatg tccttgtcta gtagaactcg tccatagaat gatcactttg ttataaaaag 180
gctttatatt cttatattca tctacaccaa gctacaccat ttgttcaaga aactaccaag 240
tagca 245

<210> 21556
<211> 246
<212> DNA
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<223> Clone ID: 700953811H1

<400> 21556

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aaccattcaa gccggttctt ttgccggtcc agctgggccg gtccaccgtg gcggttccgg 180
ctcgtaacgg ccacatgcaa gatggatcgg aacgtgtggg tgaggacac ttggagggcc 240
cggtag 246

<210> 21557
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700953812H1

<400> 21557

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tgatgggttc tagattccca tctcatcagc tcagcaatgg cctgtatgta tcaggtcgcc 240
ctgaaca 247

<210> 21558
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953815H1

<400> 21558

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gaaattggag gttcctaagg ctggagagac gcctgattca gaatcaaaga gtagaattgg 180
tgattttata tttagaacat catctagaat tattatggcc atacttctta gagacatgtt 240
tg 242

<210> 21559
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700953816H1

<400> 21559

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tgaccgtatc tgggtgggca gctcatgatt cttegggcaa gattaccccc tacactttca 180
aaagaaggga gaatggtgtg aacgatgtga caataaagat actgtattgt g 231

<210> 21560
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953818H1

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<400> 21563

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<400> 21564

<210>	21565
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<400> 21565

<210>	21566
<211>	249

<212> DNA
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<223> Clone ID: 700953825H1

<400> 21566

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 actcgagcgc caagaagaag cgaacaact tctcacgcgc tgtctcaatc tgggaatctc 180
 tgctgtaaat tctaattctc ccgccataga tgctgtcgaa cttgtggaga gggaattgga 240
 cacggatcc 249

<210> 21567
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 <212> DNA
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<223> Clone ID: 700953827H1

<400> 21567

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 tacatgtggg aatgttactg agctcataat agcaatattt gcccttagca gtaacaaaat 180
 tgccgtgggc aagtattctc tgttgggttc tattctttca aaccttcttc tggttcttgg 240
 gacctc 246

<210> 21568
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 <212> DNA
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<223> Clone ID: 700953828H1

<400> 21568

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 tttaacaaat ttgcaggta ggaggaattg agttgaaatc gaaagggag cggtgggtta 180
 ggttaggatt tggtagtgta gtggggatgg cgaagttcaa tgtggtgcag aagcgaagga 240

gagc

244

<210> 21569
<211> 243
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<223> Clone ID: 700953829H1

<400> 21569

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gctgcctcat cttatgctat gcaatcaatc cttgcaaacc ctatgatccg catttccagc 180
gggtctaggg agaaccattt tgggtgttcct gcttatcaca tgagaaggaa tgttggcctg 240
aga 243

<210> 21570
<211> 173
<212> DNA
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<223> Clone ID: 700953832H1

<400> 21570

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cactcccatt	ccaagttcat	tgcgagatct	tctaaagcct	ggcctgcaa	gtgttgaaat	180
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<223> Clone ID: 700953704H1

<400> 21640

9104

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 aagaacctat agat 254

<210> 21641
 <211> 253
 <212> DNA
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<223> Clone ID: 700953705H1

<400> 21641

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 tgagttaaac actttcattt cgaagatgcc gcgcccaggg ccaaggcctt acgagtgcgt 180
 gagaagggct tggcacagcg agcgccacca acccgtgaga ggttccatca ttcagcagat 240
 tttcagggtc gtc 253

<210> 21642
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953707H1

<400> 21642

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 tggacgcaga agaaccagaa aagaaaaaca agcacgagga gatgattaac ttcgaagaaa 180
 ccgagttgag actcggcctc cctggcgggg ctgcgagtga tcacaacgag tcaacaacgg 240
 tcaagggcag 250

<210> 21643
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953708H1

<400> 21643
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 gatatatata tatagagaga gagagagaga gtgaaggagg ttagaaactt taattgataa 120
 cttatttgcg tgtggattaa tcttcagaat gaagtgtccc aataatctta gtggcaagaa 180
 ttgcctgtta ttttcgtcaa agtattccaa gtgaagtgtt ctacaaatgc gatagacata 240
 actatttatt 250

<210> 21644
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953710H1

<400> 21644
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 tcaacagaga acaacaccat ttgtggattg ctgtaaactg cattatttgg ctgttagcta 120
 atggacaagg ggggtgccacc tagcctcttc gtcaatgacg gttctttcat ggagagggtc 180
 aagcaacttc agcaagagca ggagaaaggg aagaatgtca aattggagga ttctacacca 240
 attaaggt 248

<210> 21645
 <211> 108
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953711H1

<400> 21645
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<210> 21646
 <211> 160
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953712H1

<223> Clone ID: 700953718H1

<400> 21649

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 atttctgtat cttctggtga aaagctaatt tgttcactct aataggtgta cagtgcataa 180
 gtgtaaactt tgaaacctag cttcctagtt gaatcatcag aagcttataa gtcgaatcca 240
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<210> 21650

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700953720H1

<400> 21650

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 agcacaattg agacaccaag tccaagcatc cctgagatat catcatcatc tccccctggc 180
 tctcttgcaa gaattgcaca aagttaccct cccggctttc ccagaaaggt gtttagcggag 240
 attataggga cat 253

<210> 21651

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700953721H1

<400> 21651

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 ttggcagagac cgcccaggtc tcttgtctga gatttcggct gttcttgcca acctccattt 180
 taatgttttt gcagcagaag tttggactca taacaggcga attgcttgcg ttctttatgt 240
 caatgatgca a 251

<210> 21652
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700953722H1

<400> 21652

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cggaagtact atgtttcatt gctctaccat tatgaacaaa tctacttctt taaagctcgt 180
gaatgggagc ctattgctcc tgatgtttcg cagaaccaat cgaccctgcc agttcctcct 240
ccaaaaatgc 250

<210> 21653
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700953723H1

<400> 21653

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tccggccagc ggaagatgcc gctgatgggc ctccggcaccg cgccggaagc aaccagcgcg 120
gttaccacaa aagatgctgt tcttgaggcc atcaagcagg gctacaggca ctttgatgct 180
gcttctgctt atgggtgtgga acagtctgtg ggagaaccat agctgaagca cttaagcaag 240
gactaat 247

<210> 21654
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700953724H1

<400> 21654

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acattatcaa gagtgggtgaa cctgctttta gtgttctggg ttcaagattt cttttgggtg 120

agagctttcc tgtgccagtc tatctgtctt taattccaat cattggtgga tgtgcacttg 180
 ctgctgtgac tgagctcaat ttcaatatga tcggttttat gggggccatg atatcgaatt 240
 tggcattt 248

<210> 21655
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953725H1

<400> 21655

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 gcagcagcat cttcagattc aatcaagcca agagatgttt gcatcggttg tgttgacagt 120
 acaccaatgg gtggatttct tgggtactctg tcatctctat ctgccaccaa gctaggctct 180
 atagctattg aagctgctct taaaagggcc aatgttgatc catcccttgt ggaagaagta 240
 ttttttggg 249

<210> 21656
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953727H1

<400> 21656

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 cttagagcct ttacttgata tttagtaaag cgcactcact ctaacggcgt accttttgca 180
 tgatgggtca gcgagaaaat gggaacagcg gcttaagcca ttaggtgtag gcgcctttca 240
 gaggtgg 247

<210> 21657
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953728H1

<210> 21660
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953730H1

<400> 21660

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 gacaagggac gaaaaatcag agagagagag agagagagag agagaaattc caaaaccatg 120
 tcgtcccaca gtcactaag ttctgccttt ggggttctag gtaacatcgc ctccttcgtg 180
 tgctttctgg caccactacc gacattttat agagtgtgta agaagaaatc aaccgaaggt 240
 tccaatca 248

<210> 21661
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953658H1

<400> 21661

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 cctctttccc ttctcaagac tgccaaggc caccctatgt tgggtggaact gaaaaatggg 120
 gagacatata acgggcattt ggttaattgc gacacatgga tgaacatcca tctgcgagaa 180
 gtcatttgta catctaaaga cggagataga ttttggagga tgcttgaatg ctacatacga 240
 ggcaatacaa t 251

<210> 21662
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953659H1

<400> 21662

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 gttcttcttt tcttttttta tatatacttg ggtgctaagc tgtgtgagtt cattgacaag 120
 cctgaaatgg caactatgct gacaaaggag catgggtctga acctcaagga gaccgagctt 180

caccttatgc ctctcttaaa ccttgctctc aaactagctc attcccttcc aaactgttca 180
 ttctctttca ttggcacaca caaatccaat gcaatccttt tcccaaaacc ccacatccca 240
 aataacatca aggcctatag ca 262

<210> 21666
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953663H1
 <400> 21666

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 gtgcgaaggt caattccttt gagtctgagg tggtcggccg cgccctcttc ttccaagccg 120
 acgcgctcct acagcatcac tctcatcccc ggcgacggca tcggccccga aatcatctcg 180
 gtggccaaag acgttcttgt cctcgccggt tatctcgaag ggattaaata cgacttccgc 240
 gagatgctta tgggtggagc t 261

<210> 21667
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953664H1
 <400> 21667

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 cctccgatcc cgacgaccag caattcttca accctaacga caccttcacc ctcggtccca 180
 agatcgataa ttgggacact gagcgcaaga attgggttca ccaaaacccc gaatacccta 240
 atgtcatcgg aggtaaacct c 261

<210> 21668
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953666H1

<400> 21668
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 taacttctcc gttgatgtat gtatatatttg ttcacagagc aaacccacaca atccacatga 120
 taatgataat gatggcgatg tctttctctc tctcttttcc tctcacactc ttcccatcta 180
 ttccctcatg gtttcttctc tcttccttcc caataaaaaat taccacattc taatcagaca 240
 aaaagtagag 250

<210> 21669
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953667H1

<400> 21669
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 tctcaaggat gatcagtgga tcgatgtccc accaatgcgt cactccattg taatcaacct 120
 tggtgaccaa cttgaggtca taaccaatgg caagtacaag agtgtcatgc accgagtgat 180
 tgcccaagcc gatgatacca gaatgtccat agcttctttc tacaaccctg, gtgatgatgc 240
 tgt 243

<210> 21670
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953668H1

<400> 21670
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 tggtcactgt ggtttcacta ctgtgccttt tggaacgtgc taacgcagca acttactccg 120
 ttggaggacc tgggggatgg accttcaaca ctaatgcttg gcccaatgga aaaagattca 180
 gagctggtga tatectaata ttcaactatg actcaacgac ccacaatgtg gttgctgtgg 240
 aca 243

<213> Glycine max

<223> Clone ID: 700953680H1

<400> 21679

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 actccacggt cctctcatgt cgttttcgct cggcgccgtg caaacgctcg tggtttcatc 180
 ggccagaatc gccgaacaaa tcttgaaaac ccacg 215

<210> 21680

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700953681H1

<400> 21680

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 tgtcgttggg agcgaacaag ttccccgaga gacagccgat tgggacggcg gcgcagagcc 120
 aagacgacgg caaggactac caggagccgg cgccggcgcc gctgggtgac ccgacggagt 180
 ttacgtcatg gtcgttttac agagcaggga tagcagagtt tgtggccact tttctgtttc 240
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<210> 21681

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700953682H1

<400> 21681

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 ggaggaggcg gcgaacccga tacgaatggt gtctggcgtg gaggcggagg tggttcgggt 180
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<210> 21682

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<400> 21682

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<400> 21683

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<400> 21684

9120

<213> Glycine max

<223> Clone ID: 700953628H1

<400> 21690

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agtttccaat atcctcctcc ttgatacaac agctgctgga cgcagcattg gcgaaaactc 180
caactc 186

<210> 21691

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700953629H1

<400> 21691

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catctcagtc atgggcctgc tatcttggtt taggtctacc gtcctgagaa aatgttccaa 120
aggaagctct ggcattgtcaa gattcctgta tacgaacaat tttcaacgaa acttgatttc 180
gtctggtggc aatgaatcgt attatgggta ttttaacagg agatcatata cttcacttta 240
tatgggaact ggaactgtgg gtg 263

<210> 21692

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700953631H1

<400> 21692

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atattaatth taatgacatt tttaaattctg cccctctcca ctgagaccat tggtaattgt 120
gtgaattttt ctggataggt gggttattgt gctgaagttt ataaagttta gtactttgaa 180
agttgaaaca gatatgttgt gtggttgaga aaaagcaaga tctggctgac acaattgggc 240
tgaatacaat gttagcttct aggtta 265

<210> 21693
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953632H1

 <400> 21693

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 cccacaggaa tagtcctcca taactgcgag atcatgccgg accctaccct cttggcagac 180
 cgcttgagcg tgaagactta cttggccagg ccatggaagg cattctcaag ggcaagtgtc 240
 atcgagaatg ttatcgggga cttgat 266

<210> 21694
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953634H1

 <400> 21694

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 ccctgtccga gaaatcaagc ccaagaatag gagaatcatg ggtgctggag gccctgatga 180
 tgaggacacc aacaggtggc caccgtggct gaagcctctg ctaaaagaca gtttctttgt 240
 tcaatgcaag 250

<210> 21695
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 <212> DNA
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 <223> Clone ID: 700953635H1

 <400> 21695

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ctcaccgcac ggatacttgc tgaaccgcgt cgccgagtag gccaccgccg cggctgctgc 180
taccactcct ccctctcctc ctctccggg gaagaaggag ctcgccggcg gcgggaagat 240
caccgatgaa tt 252

<210> 21696
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700953637H1

<400> 21696

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gtggagcact actactccac ctctgacacc aaccgcaaca atctcgccaa tctctaccag 120
gaaggttcca tgctctcttt cgaggggtcag aagatccagg gctcccacaa catcgctcgcc 180
aaactcacct cccttcctt ccaacagtgc cagcactcca tcaccaccgt cgattctcag 240
ccctcaggcg tc 252

<210> 21697
<211> 253
<212> DNA
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<223> Clone ID: 700953638H1

<400> 21697

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cgtgcacaga gtcaaaccac aagctcttct tttctctcca aaccataac aacaaaaaca 180
gagcttctct gttttctcca ttcccaaac acaaataga ataaaaacgg aatcttcttc 240
acgcataatt ctg 253

<210> 21698
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700953639H1

0053113-033200

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 taaagtggag gtcaaggctc ttgaaaagat acttgagcaa aaacaaaggt tacaggaaga 180
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 aaaaaagat 249

<210> 21699
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953640H1

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 ctcatTTTTCC tcttcttttga attcaaaggg ctctagatgg atacagctga ccaaagaaaa 180
 ggcaagtatg ctccctaccag ggatacagag aaccctactgt tgggaaaatt tgacaagccg 240
 cttccatgtt ttg 253

<210> 21700
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953641H1

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 aggaaggaat cccccggac cagcaacgtc tcatttttgc cggaagcaa cttgaggacg 180
 gccgtaccct tgctgactac aacattcaga aggagagtac tcttcacctc gtccctccgtc 240
 tccgtggtgg cat 253

<210> 21701

<211> 254
 <212> DNA
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 <223> Clone ID: 700953642H1

 <400> 21701

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 aattcttaga ttgacagttg aaagtaatcc tcgtgattat gcagacaccg caagatccgg 180
 agctctatgt gccagtgtga attttgttga tctagcagga agtgagcgtg cttctcaagc 240
 aatgtcagca ggca 254

<210> 21702
 <211> 256
 <212> DNA
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 <223> Clone ID: 700953644H1

 <400> 21702

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 cagcctcaca ctacatatata cacatatctg aacgcgtatc gtccctccta tggcttcaaa 180
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<210> 21703
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 <223> Clone ID: 700953645H1

 <400> 21703

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 gagaattggg ggagagtgcc ccgattctcg tggaagaagc tatggctggt caccgggccc 180

003330-03300

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<210> 21704
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 <212> DNA
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<223> Clone ID: 700953646H1

<400> 21704

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 ccgacaccat tgacaacgta aaagctaaga ttcaagacaa ggaagggatc ccacctgacc 180
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<210> 21705
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 <212> DNA
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<223> Clone ID: 700953647H1

<400> 21705

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 tctctctc 68

<210> 21706
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953648H1

<400> 21706

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 ccatcgattt cttggacctc catgacttct ttgtctaccc atcacaccta tagccgaaag 180

caaaaatctc tcggcctcct ctgcaccaat tttctgagtt tgtacaacaa agaaggtgtg 240
cgcttggtcg gtctcgatga cgc 263

<210> 21707
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<213> Glycine max

<223> Clone ID: 700953649H1

<400> 21707

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ttcctcgaa aaatttttgt ggaaaaaata ttgagagttc aaccacatgt gaagaacctt 180
taccttcttt tgagagccag agatactgac tctgctactc aacgtttaca tactgagatc 240
atagggcagg 250

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<212> DNA
<213> Glycine max

<223> Clone ID: 700953650H1

<400> 21708

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tcgtacaaga ggtcaacaag aaaatcaatg gctctatagc aagaccaga aggaacttgg 180
gctacctctc atgtggtagt ggcaaccca tcgatgattg ttggacgtgt gacccaact 240
gggagcagaa c 251

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<223> Clone ID: 700953651H1

<400> 21709

0953649H1

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 tatggtgccc gtactccgga ggtgaaatgc gcaagttgga ggcttgctgt ggaagcacac 180
 aagctctttg gctttgagac cattcctgaa gagtgcgttg aagcaacaaa ggaatacatc 240
 catggcgaa 249

<210> 21710
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<223> Clone ID: 700953652H1

<400> 21710

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 ctgacgtcct tcaacacatt acataactct gcaccctcct ctgttttcaa acacatatat 180
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 ttttgaaa 248

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<223> Clone ID: 700953654H1

<400> 21711

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 atttgtaaga tatatatata tatatatatg ctcatggggtt ttcttcacaa gctttgggac 180
 gaaacgctgg cgggtccggc accggaaacg ggtctgggga agctccgaaa gtacaattcg 240
 ttctccggcg 250

<210> 21712
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0953443-032200

<213> Glycine max

<223> Clone ID: 700953624H1

<400> 21712

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gccgacgttc acctcggcac caaaaactgc gactttcaga tggaacgcta cgtcttcaag 180
cgcagaaccg atggtattta cataattaac cttggcaaga catgggagaa gctccagctc 240
gctgctagga ttattgtt 258

<210> 21713

<211> 176

<212> DNA

<213> Glycine max

<223> Clone ID: 700953583H1

<400> 21713

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gcaagcaa atcgatggcagc gctgttcag tacatacaga acgttagtta tcgccgcgga 120
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<210> 21714

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700953584H1

<400> 21714

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cagaaagctt gctgacaaat gttcatcgcc tcgtgatcat acaaataaca ctagtagccg 180
tgataccaat gatgatcatt atcagaatcg tgatgatcaa catgacactc atgac 236

<210> 21715

<211> 171

<212> DNA

<213> Glycine max

<223> Clone ID: 700953586H1

<400> 21715

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acagcttttag attctcaaac aattaaggaa atcagttatg gctccttcta ggaaatctag 120
aagtgtaaat aagcaggttc attgcttcat ttcagtcttt ctcttctcac a 171

<210> 21716

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700953587H1

<400> 21716

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caatagcact cctggtggcg ttactatctc gtactcgtcg aagagcacc tacccaccag 180
gcccaaaggg ttaccaatc ataggaaaca tgттаатgat ggagcagcta a 231

<210> 21717

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700953589H1

<400> 21717

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gcaagccgtg tcatgcaatg atgtttctgt gaacctagca ccgtgcctat cttacctgat 180
gcagggtgga gatgttccag aatcgtgctg tagcggagtg aggaacat 228

<210> 21718

<211> 225

<212> DNA

<213> Glycine max

<223> Clone ID: 700953591H1

<400> 21718

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ctctccgata atggactcca acgagtcctt cccttcagc ttccccaagt ttaactcga 180
cctcaccgcg ggctcttaa acccaatggt ccacctccc gacaa 225

<210> 21719

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700953595H1

<400> 21719

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gacttctgag taatgcatgg acggcagaga taggaattgt tttggctatt aaattacttt 180
cttttgaggt ttatgactgt gttgggtttt cactatgagt ggtgttcta ag 232

<210> 21720

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700953596H1

<400> 21720

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aaacagagag gaagatgaac aagggtcagg gtcaaaggca tcggttactg gttctgtgtt 180
caatctctca acaaccatca tcggcgccgg aatcatggcc ttacctgcag ccat 234

<210> 21721

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700953601H1

<400> 21721

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ctcataaatg ttgacaaaat cctcatgaat ttaaaagttt ggcttagtgg tgcgggttaca 180
taccaagata cttgcttggg tgggtttgag aacaccacta gtgatgctgg caaaaagatg 240
aaggatttgt tgacgatagg ca 262

<210> 21722

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700953602H1

<400> 21722

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tttgggatga agagtgggat aaatttgagg atgaaggatt tgctaataat ctcacttttg 120
catcttcaaa accgaatcct gcatttattg atggagaaca aaatttatct gatgataatt 180
ctgttcatgg ttcacctgtg aatgcaaatg ggaagcaaga aaattctgct aatgggtgatt 240
atacagttga ggatgaatcc tatgcacaca gtgaa 275

<210> 21723

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700953603H1

<400> 21723

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aaaaacatcg gcattgtcgc catgcacatg cagcttctcc acaacgaccg cgtcatcatc 180
ttcgaccgca ccgacttcgg actctccaac ctaaccctcc ccgacggaag atgccgcaac 240
aaccctaaac agttgggtcgt caaacgacgac tg 272

<210> 21724
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953604H1

 <400> 21724

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 ctttcaccaa gttgttcagc cgactgtttg ccaagaaaga gatgcgtata ctgatggtgg 120
 gtctcgatgc tgcgggtaag accaccattc tgtacaagct caagcttgga gagattgtca 180
 ccaccattcc caccattggg tttaatgtgg aaactgtgga atataagaac atcagcttca 240
 ctgtctggga tgt 253

<210> 21725
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 <212> DNA
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 <223> Clone ID: 700953605H1

 <400> 21725

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 cggcgaacaa cccggccttc cgcgtcttca tcaacaccct ctccgcgtct ctccgac 177

<210> 21726
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953606H1

 <400> 21726

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 ctgaagagat cacaaaagaa gaatatgctg ctttctacaa gagtcttacc aatgattggg 180
 aagagcattt ggctgttaag cacttttctg ttgaggggtca gctggagttt aaggctgtcc 240

tctttatccc caagagg

257

<210> 21727
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953607H1

<400> 21727

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cccctaaagc ttcttctggt ctgtgcaggc agtttttctt tggtttggtt gcaccccttg 120
atctgatcag caaatttgag aattcagttt gggaagggcc attcctcttt agtgcaaaac 180
agatcgaggc tgcctttgtg ctgatggcca ctaatgaaaa tcttccacca aatgtaatta 240
agcaacttgc caaggag 257

<210> 21728
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700953608H1

<400> 21728

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caaaatagca ctggcaggga actcaacaag gacaatgact ccatggagaa gaggagaaag 180
agggtgagtg gaagaagctg gaagggtgaag ataaaggact tcattgactc acagatgagg 240
aagctggtgg agaagcaag 259

<210> 21729
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<223> Clone ID: 700953612H1

<400> 21729

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053113-03200

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 cgatgcgaac tgtgcgacct aatggaggag tacggccaaa tctcgttgt aaactccgac 240
 aacgtgggat cgaaccagct c 261

<210> 21730
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<223> Clone ID: 700953613H1

<400> 21730

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 gtttccttaa cgacataaaa ttctttttac cggtaccatt atgattgcaa agataatgtt 180
 ttgggtctcg aacatgagac attcaaaaaa aagaggaaaa aaaaaaaaaa aaaaaaaaaa 240
 gaggga 246

<210> 21731
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<223> Clone ID: 700953615H1

<400> 21731

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 aatgtattgt cagcagccaa aattgcgaag aagatgaagt taaaatttac taaagcatgg 180
 attgcatatc ttagattgcc tcttccacat gatgtttaca aagaggttct tgtttgtctt 240
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<210> 21732
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 <213> Glycine max

<223> Clone ID: 700953616H1

<400> 21732

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ggcactaatt tctctatggg agaagcacca gcattgcttg ttgatgacgt gcaggatggg 180
gctctgaatg gccttgaatt gaaaaatgga acttgcaaaa caactgctac tgttggcgat 240
aagatgtatg tcattggtgg agctgat 267
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<210> 21733

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700953617H1

<400> 21733

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agacagcata tacaaggat ttgacctaaa aaactataca atgctgtact ctatttctga 180
taaaaatgtc caagagatta agatcaggta atttttctta ccgtgcttgt attattttta 240
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<210> 21734

<211> 254

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700953619H1

<400> 21734

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ggaaaaccct aacctccta ttccctctc cgatcctcta cgcgagttcc atcaaggatc 180
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cactcaacga tgac 254
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<400> 21736

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<400> 21737

9139

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 cttaatcgcc ctca 254

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<223> Clone ID: 700953623H1

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 gcctccaaat aaagatatct ctactttaaa ttttttaaga aatatactta aggtattggt 180
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<223> Clone ID: 700953548H1

<400> 21739

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 tttttcgag gatttgctgc cattgctgcg actcaaccg gggatttggg atcgtacaaa 180
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 ca 242

<210> 21740
 <211> 249
 <212> DNA
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<223> Clone ID: 700953549H1

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 cagtttatgt gatgctccca ctcgaggttg tcaatgttga caatgttttt gaagaccag 180
 atggccttaa agaacagctc ttgcagcttc tagctgcggg tgttcgatgg gcggattctc 240
 aagtgggaa 249

<210> 21741
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953550H1

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 aaggccatgg atgttgcaca ttttttgttt ggaatctttg ggaatgcttc cgctctgttc 180
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 <212> DNA
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<223> Clone ID: 700953551H1

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 ctgtttttcg tactctttgt gctggtggga gtttactttg ttacaaactt gaccttgc 180
 agtgaagccg cctcatgccg tttattcccc cttagattcc actggcagga tagatgatcc 240
 tga 243

<210> 21743
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 <212> DNA
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<223> Clone ID: 700953552H1

<400> 21743

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 tatcaaagaa atggatttct tctcaacttc atcgctctgt gatcataaaa gtaacactag 180
 tagccgtgat accaatgatg gtcattatga gaatcgtgat gatcaacatg aactcatg 239

<210> 21744
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953554H1

<400> 21744

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 aatatcaatt ataaattgcc gcgctcattg cttcatttca ctctttctct tctcacatag 180
 ggtcatgagc tccggcgtgc gctcgtgtcc gccgtcggac agggcggcgc tgctggca 238

<210> 21745
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 <212> DNA
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<223> Clone ID: 700953555H1

<400> 21745

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 tccgcaagaa ggctcccacc gccgcccca agaaggacga gaaagccgtc aacgccgcc 180
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 <213> Glycine max

<223> Clone ID: 700953556H1

<400> 21746

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 ttcaccagac tattgggtcaa actggggaat aagtgcact gaaggtttta attcacctaa 180
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<210> 21747
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953558H1

<400> 21747

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 atccgccaac atcttgctgg ataatgataa caatgcaaaa ctatctgatt atggactggc 180
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<210> 21748
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<223> Clone ID: 700953559H1

<400> 21748

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 gcaatgaaag aaccatccct tcctatttct ttgtcctgtc agaaatagaa taagacccaa 180
 aagagccctt ctttaccact ttagggg 207

<210> 21749
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<223> Clone ID: 700953561H1

<400> 21749

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cccgtctttg ttgctgctcc agcagagaaa ggccattttc ttatagactt tctcatggga 180
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<210> 21750
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953562H1

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<213> Glycine max

<223> Clone ID: 700953563H1

<400> 21751

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tgccattcac caggaggaag catctatata tccaagcagc tctgatgaat ggcattgtcc 180
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<210> 21752
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 <223> Clone ID: 700953565H1

 <400> 21752

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 <223> Clone ID: 700953566H1

 <400> 21753

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 acaatgttat aatgaaccaa gatgaagaga tgtttaccgt tagcaatagt tcactttctg 180
 agattgggga cctaaaacgg attatccaaa cccaattggg aatcccgggt cacaaccaa 240
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<210> 21754
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 <212> DNA
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 <223> Clone ID: 700953567H1

 <400> 21754

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 <213> Glycine max
 <223> Clone ID: 700953571H1
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<210> 21759
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 <213> Glycine max
 <223> Clone ID: 700953572H1
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 aatgttatca tgtttggtat agagctattg cactacttta ctttggatcg gcagaaatgt 180
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<210> 21760
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953573H1
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 ctgggggtccg gtggttgatc agccgggaac gccgtctagc agctccggtg gaggcgggtt 180
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 <223> Clone ID: 700953574H1
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 agccttatgt gaatgtgaca atggaagcta agcctcttcg aactgttccc tcttcacaca 180
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<210> 21762
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 <223> Clone ID: 700953547H1
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 <223> Clone ID: 700953576H1
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 ccaatacatg ttgttctgat tgatgccaat agtggaagca ttgtaacatc tggacctgaa 180
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<210> 21764
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 <212> DNA
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 <223> Clone ID: 700953577H1
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 gattctgtaa gtaactactc cgtgcttcaa ttggtcaaag taaatgaaat gaaacgttga 180
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<210> 21765
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 <223> Clone ID: 700953579H1
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 ctgagcaaag aggaagtgtc agaagaagat aatttatcat tggatgaagag ggtgtgggaa 180
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<210> 21766
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 <223> Clone ID: 700953580H1
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 tagccaaaat cttgaagagg tgacaagcaa aacaattcca ttccaacttg atggagaata 180
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<210> 21767
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953581H1
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<210> 21768
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<223> Clone ID: 700953508H1

<400> 21768

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 gatacgacgt cgtcgcttac cttacgagaa ttctgtgata ataaggttgc taataatagt 180
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<210> 21769
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953511H1

<400> 21769

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 tagtaggatg ccaccacgtg gagttcaccc agttctaccc gcaagccggg tgggtggagc 180
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<210> 21770
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 <212> DNA
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<223> Clone ID: 700953512H1

<400> 21770

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<210> 21776
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 <212> DNA
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 <223> Clone ID: 700953522H1

 <400> 21776

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 ttaaaatggg tgattaaaga gacttcactt ttgggattga gcgaatccaa gaagcttcta 180
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 a 241

<210> 21777
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 <223> Clone ID: 700953523H1

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 cctcgacggc acgctcctca tcaccgtag ctggttcccg tacttcatgc tcgtcgccgt 180
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<210> 21778
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 <212> DNA
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 <400> 21778

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 aagtagatat acttgacagg tttgaatagt agggaatggg ttatgctgca gttgaagttg 180
 ctgttttccc agatgcggat tacttagact tttaggggat gttattctga ttagtga 237

<210> 21782
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<223> Clone ID: 700953533H1

<400> 21782

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 ctaagatatc gagggatgca agaatttgat cac 153

<210> 21783
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<223> Clone ID: 700953534H1

<400> 21783

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 gatgctcaga attcgtagcc gcgatggcct ggatcgagtt agcttcgaaa aatctcgggg 180
 caatggcaaa gtcggttcta ttggtgctac gaagatgttc ctgcctatga tgagttag 238

<210> 21784
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<223> Clone ID: 700953536H1

<400> 21784

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 tatagcgggt ttctgaaaga atccccctggg atcagcaacg tctcatcttc gccggaaagc 180
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243

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<223> Clone ID: 700953537H1

<400> 21785

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<210> 21786
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<223> Clone ID: 700953538H1

<400> 21786

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catggctatg gaacggacca gtcgatatgg gacaaaatac atcctttgggt tcttgcttta 180
aattaccgtc ttgttacggt tgattgggct tttgctggaa ctgtgaagga tcagagcc 238

<210> 21787
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tattggagaa aatttggtgtt gaggcaaatt ttgtttcctt gcattatcac ctcattgacga 180
tgtcaggctg cacaatggcc agactctcga tgacctgagt gaggctttac tggaagattg 240

<210> 21788
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<223> Clone ID: 700953540H1

<400> 21788

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 cttatgccac aaattcagct gaaaacaact ttgttctactg ccttgtgaac cattctgagc 180
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<210> 21789
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<223> Clone ID: 700953541H1

<400> 21789

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 ctctcttttc aagccttaaa tgagtaaaaa agagtgaaga caggaaagaa aggagcacca 180
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<210> 21790
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<223> Clone ID: 700953542H1

<400> 21790

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<223> Clone ID: 700953544H1

<400> 21791

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gtttgaagaa gctgacgagg ctgtcgacga gagttccaac ctcgaccaat ccatgtgcga 180
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<400> 21792

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<210> 21793
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<400> 21793

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0953113-032200

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<223> Clone ID: 700953546H1

<400> 21794

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 ccctcacccc taactccaaa ccattttcca tttccgcggt tttcctcaaa acaacgctgt 180
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 <212> DNA
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<223> Clone ID: 700953472H1

<400> 21795

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<210> 21796
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 <212> DNA
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<223> Clone ID: 700953474H1

<400> 21796

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<210> 21797
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<212> DNA
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<223> Clone ID: 700953475H1

<400> 21797

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aagaacttct cagctatggt ggagttggtg gttttccggg attgggaaca atggactgcc 180
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<210> 21798
<211> 240
<212> DNA
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<223> Clone ID: 700953477H1

<400> 21798

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acttagtaga aagagcgtgc gaagaggggtg gggagaagat ttagtggtgt ggccatggcg 180
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<210> 21799
<211> 240
<212> DNA
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<223> Clone ID: 700953478H1

<223> Clone ID: 700953481H1

<400> 21802

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attagtgaca gtgttagcag atctgctcag ctgtggaatg atcagaggaa gttgatactg 240
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<210> 21803

<211> 173

<212> DNA

<213> Glycine max

<223> Clone ID: 700953482H1

<400> 21803

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<210> 21804

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700953483H1

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cccactcttc gcttcagttg gtgtggctgt tggaatctgc ggtatgcaac ttgttaggaa 180
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<210> 21805

<211> 243

<212> DNA
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953487H1
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 gtttactata atatgaccac tcttttcttc ctcttcttca acttcaatac tcacctttga 180
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 <213> Glycine max
 <223> Clone ID: 700953493H1
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 tttagagaga gagaggtgag aacgctgagt gctctgctga gagattccat tgccccaaga 180
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 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953494H1
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 ctgtgagtgg cgaagacagc gatgataagc aacgccttgc ctttccctcg gtcagattct 180
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<210> 21813
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953495H1
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 acactttccc acgaatgttt cagagggctg gttcagctca gtttagaagg cctctccttc 180
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<210> 21814
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953496H1

 <400> 21814

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 atcaattctt cttttacatt ctcgattcct tcctttctta cttaaaaatt cttatattat 180
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953501H1

 <400> 21815

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 tcagttattc ttgcccctat gcacaacgtg tatggatcgc tcggaacttc aagggactaa 180
 aagacaagat caatttggtg cctataaacc ttcaagacag gccagcttgg tataaggaga 240
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<210> 21816
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953502H1

 <400> 21816

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 gcattgattc tgatgaggat taccataacc gtggtgttga tggtagatgc gacacatata 180

gaagaagctc ctccagtgcc acctgcaccg cccatagtgg ccatgctgcc atccccctggc 60
atggggccacc taatcccaat gatcgagttc gccaatcgag cagggcggtta ccaaaatttg 120
cttggaaacgc atcagaaagc ttgctgacaa ctgcacaggt ctccaagggtt ttctgggtttt 180
caatgctgtg ggtgggggaa ctggctctgg acttgggtcc cttttgctgg aacgcctttc 240
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<210> 21820
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953471H1

<400> 21820

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gaggttgga tctctttgat caaacacgca ttcaccaaag gggtcacttt ctttgattct 180
gcagattttt atggagcacg tgccaatgaa gttttggtcg gaaaggctct cagggacttt 240
cctcgag 247

<210> 21821
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953506H1

<400> 21821

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ggtacattgg gcctgctact gatttcaact atgaccacaa acatcttggt actggccctc 180
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aaa 243

<210> 21822
<211> 242

003230-ET-550

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700953443H1

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 aatattaaca acgcttcttc tctcgccacc actggttctt atttgccaaa tgcttcattg 120
 cacaatagga aaatccaaaa agaataataat tttttgaggt ttcggtggcc aagtttgaac 180
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 <223> Clone ID: 700953444H1

 <400> 21823

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 tgcggaagta aaggccacca gaattgggtg aaagtaacgg gcgagtacct tacttttcct 180
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<210> 21824
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953446H1

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 aagattagat tcagattcac ggcgaaagaa caaaacccta aaaaaatgga tttccacggc 120
 ggaggaccac tccgttcccg cagttcccag tccccttctc cctctcactc cgctccgcc 180
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 cccccc 247

<210> 21825
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953447H1

<400> 21825

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 atcaacgaag agaagtcaga agtctttcct ccacattgga tattcattct acattgactg 180
 ttccttttaa gagtcctgag aaagtgaag tcaagccatc acaaaagaag aacaagaaag 240
 ta 242

<210> 21826
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953448H1

<400> 21826

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 tgttcacggt tcgcggtttc gaaattgagc tcgattcctc gtcagtgggtg atcgtcagtg 180
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 aattttgcct gac 253

<210> 21827
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 <212> DNA
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<223> Clone ID: 700953449H1

<400> 21827

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agataatgca tagaaagggtt tggaaatgct gaaaatattc aaaaaccata atttgaagac 180
atcttttgctt gatgacttta tgtattatga aaatcgctcag aagatcatgc aggaagaaaa 240
ggccaagttg 250

<210> 21828
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700953450H1

<400> 21828

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atcaacacct tctactccaa caaggaaatc ttccttcgtg aactcatcag caacgcctct 120
gatgctttgg acagattaga tttgagagtt tgacggacaa gagcaagctc gatgctcagc 180
cagagttggt cattcatatt attcccgaca agactaacaa ttcgctgacc attgttgaca 240
gtggcattg 249

<210> 21829
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953451H1

<400> 21829

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catcaagtcc tcttgacgca ccacccagta ccagccctc tgcattccagt ccctctccgt 180
ctacgcctcc accatccagc aagaccccca cgagctcgtc cagacagccc tctccctctc 240
cctcaaccac accg 254

<210> 21830
<211> 248
<212> DNA
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<223> Clone ID: 700953452H1

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 atttagatcc cctatgttgc aacagaacaa ggaatcttct tagattcttt ttctgctgtt 180
 attagcgttt cacaaataga gagagagaaa cagaaacaga aacagaagaa gaaacttttc 240
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<210> 21831
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953453H1

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 tatggtgccc gtactccgga ggtgaaatgc gcaagttgga ggcttgctgt ggaagcacac 180
 aacatctttg gctttgagac cattcctgaa gagtgcgttg aagcaacaaa ggaatacatc 240
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<210> 21832
 <211> 251
 <212> DNA
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<223> Clone ID: 700953454H1

<400> 21832
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 atgttcacca acaattcagg ctgctcaata agattgaaga aaaaaaagt ttggtagcca 120
 ggtgctggag ttttgcttgc agctcttttc taagggtgtca atgatatgag gtgtaaaaaag 180
 caatgttgat gtgggatatg ctcaactcaa tatcagtgtt gtgacaaggc acatggaatg 240
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<210> 21833
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953455H1

 <400> 21833

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 cgataacgtc cattccctgt tcgatgaatt gattcagaga gcttccaagt gtgttgcttc 120
 tccctcttcc aaaaaagtta ctctaacgct aaagggttct gcttctcgg ttctaccag 180
 cttgtccaag aattcgggtc ctgtgggcgg ttttgataag ccgccacttg ccctgctgc 240
 tactacttct ag 252

<210> 21834
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 <223> Clone ID: 700953456H1

 <400> 21834

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 acttttctcc aagaagaagc cagctccacc tccaaagaaa aagcctgccg ctgtatcccc 180
 cgccaatgag gaactcgcca agtggtatgg tcctgacaga aggatcttct tgcctgaggg 240
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<210> 21835
 <211> 246
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953458H1

 <400> 21835

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 gggacatttc atgtggagga caaacagtg gatgctgtgt cctttgcagc taatggtaat 180

gtggaagagg tgggtactttc tcctgaaaat ggaaatgtgg agttgtctta tccagacttg 240
gtaaaa 246

<210> 21836
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953459H1

<400> 21836

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gaagaagcgt cggaaccatg cacaaaattg aaggaacaaa tgaaacattc tgcagctata 180
gttcagatgt tgtcactggt tatggagtgg gcgctttcct gtttcttctt tctggtgaat 240
cac 243

<210> 21837
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700953460H1

<400> 21837

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aacagcaaga tggccacttc cgacagtaac atgctactaa attatgttcc agtttatgtg 120
atgctccac tcggagtgt caatgttgac aatgtttttg aagaccaga tggccttaaa 180
gaacagctct tgcagcttcg agctgcgggt gttgacgggg ttatggttga tgtgtggtgg 240
ggga 244

<210> 21838
<211> 239
<212> DNA
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<223> Clone ID: 700953461H1

<400> 21838

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agtggctgat ttaccacca atacatcctt agagcagcag ctatcaaggc tcttgatcc 180
ttcaggagca acgcttaatt aattaatcaa ttaagctagc taccttgatt aatttgcca 239

<210> 21839
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<223> Clone ID: 700953462H1

<400> 21839

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gcaataaggg gcacaagatc aagggtactg tgggtgtgat gagcaagaat gtgtggactt 120
caacgaaata gtgtccacta ctcagggtgg ttgggttggg gctgccaccg gcattctcgg 180
tgctgccacc ggtattgttg gtggagttgt cgatgggtgct actgcca 227

<210> 21840
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700953463H1

<400> 21840

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tgtccctttg cccttaccct tctccaagc ctccaaaaaa gcctcccgtt gtgaaaccac 180
cggttcacia accaccaaaa catgtccac caccgaagtc atctccaaaa ccaccccatg 240
ta 242

<210> 21841
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953464H1

005413-03300

<400> 21841
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 ggtgcctgct tatt 254

<210> 21842
 <211> 252
 <212> DNA
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<223> Clone ID: 700953465H1

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 tggtttctact tggagctacc tgtgctctgt gctgttctat gttcatgggtg tttgtcactt 180
 tgagtttggc tggggacata gtacaccctg atagtattgc tcccagaagg cctggctgtg 240
 acaacaactt tg 252

<210> 21843
 <211> 223
 <212> DNA
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<223> Clone ID: 700953466H1

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 cagccagcac gaagacaagg agacgattgg ctgctcagaa gaaagctgtg aagatattcc 180
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<210> 21844
 <211> 249

<212> DNA
<213> Glycine max

<223> Clone ID: 700953467H1

<400> 21844

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gttttgttct gagattctgc tcactttcac caaaacggct ttactatgta ccgcgtttcg 240
ctttcgtgt 249

<210> 21845
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700953468H1

<400> 21845

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ctggtggtgg tcgcgtcgcc gacttcgagc ctggcgaaact ccaccgtgat cccctcctc 180
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gg 242

<210> 21846
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700953469H1

<400> 21846

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aatcgaaaat ataatagaat agaaatagaa ctgtcttttc atatagatat cccttcaaca 180
caacataggt catcgaaagg atctcgaaga cccaccaacg cacgaaagcc gggatctttc 240

agaaaatg

248

<210> 21847
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700953442H1

<400> 21847

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cccatagtgg acatgccaga atcttcgcca tgcattgacgt ggacgtcact atcatcacca 180
ccacgtccaa cgccgcgctt ttccaaagct ccatcagtcg cggtcaaaac atcaggacgc 240
atgtcatgaa 250

<210> 21848
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700953414H1

<400> 21848

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gcggaagatg ttattcctaa acggaaatgg aagctcaaatt ctgaaattgc agttgattct 180
gaactgatga cattgttgca gaaagactca aatagagaag aaaaaattgc tgcaaatgag 240
ttttttctta 250

<210> 21849
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700953415H1

<400> 21849

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 tctgtgctat gtgacgctga agttgccctt atcatctttt ctagccgtgg caagcttttt 180
 cagtacagca gcactgatat taacaaaatc attgagaggt atcgccaatg tcgttacagc 240
 aagtc 245

<210> 21850
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953416H1

<400> 21850

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 acactttgtt ttgccgcatg cgtcactgag gacgtagttt ttaatgatta tttggtccct 180
 aagaatggga cggatgaattt catggtggct gagatgggtt gggaccctaa ggtatgggag 240
 gatccaatgg cat 253

<210> 21851
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953417H1

<400> 21851

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 tatgcgctgg aatatttaat gacctaggaa gtggaagtaa tgttgacgtt tgtgtgataa 180
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 atccaaaagg ctttgatt 258

<210> 21852
 <211> 256
 <212> DNA
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<223> Clone ID: 700953419H1

<400> 21852

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ggttgacctt gagtgtgaga aatgctacaa gaagggttaag aaacttctcg gcaagtaccc 180
tcaaattcgg gaccagaagt tcgatgagaa ggaaaacatt gtgttcatca cagtgggtgtg 240
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<210> 21853

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700953420H1

<400> 21853

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<210> 21854

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700953421H1

<400> 21854

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gttgcaaggt tacaagatgg aggatcaaaa tgcacatctt aatggattgg gcaaggtgtt 120
ccacaaggtt aagccctact tgctatgatg tcccttcagt ttggctactc cggaatgtac 180
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catatagttg cca 253

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<223> Clone ID: 700953422H1

<400> 21855

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 taggcactgg aatattcaac ggtgatttga agttagtac tcagcagcaa tttgaagtac 180
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 cttcgagtcc ctat 254

<210> 21856
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<223> Clone ID: 700953423H1

<400> 21856

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 ccgacacggt gaaggcggtt tggctgagtt catctcaacc ttcattcttcg tgttcgccgg 180
 ctcaggctcc ggcacgcct acaacaagct caccgacaac ggcgctgcc cccctgccgg 240
 cttcatctcc gcctcc 256

<210> 21857
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 <212> DNA
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<223> Clone ID: 700953424H1

<400> 21857

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<210> 21863
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953431H1

<400> 21863

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 atggagtagt taattatttt ataataactt atataattat aaaatgtata atttatagtt 180
 ttactgtttc 190

<210> 21864
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<223> Clone ID: 700953432H1

<400> 21864

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 atttttattt tctagt 136

<210> 21865
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 <212> DNA
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<223> Clone ID: 700953433H1

<400> 21865

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 ttggaggcat caatcgctag gaacttcctt gacaatggaa tcatttggtg catgagtcac 180
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[illegible]

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<400> 21867

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 catgacaggg aa 252

<210> 21869
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<223> Clone ID: 700953438H1

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 gaagtttact ggaagtcggt gcttcctact acgccaatgc caaaagccat cactgatatc 180
 ctttactctg attgggtgga agagtaaagc agctcagtgc atgttggacg tggaggcagt 240
 gaacgtgcat ac 252

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<223> Clone ID: 700953439H1

<400> 21870

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<223> Clone ID: 700953440H1

<400> 21871

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<210> 21872
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 <212> DNA
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 <223> Clone ID: 700953441H1
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 gcctgcatgg ctctctctcc gctcccagtt cctaggccaa gacaccctca ctcatctcta 180
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 atttgacatg ct 252

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 ttctccgatg ggctcaattg catggagcat atgctcttct acgttatata ggccgagttg 180
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<210> 21874
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 <223> Clone ID: 700953372H1

00534113-03600

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 ttgtgcttcg ggatcattta catgttatct tgagggagag aaagtacatt cagatgggtga 180
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<210> 21875
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 <212> DNA
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<223> Clone ID: 700953373H1

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 aaagtctaag catcttcttc cttgttgtca tgcattgctg atggaatcga cgacgcaaaa 180
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<210> 21876
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<223> Clone ID: 700953374H1

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 gggaagaaa cagcatcgta ttcattgatgt tgccctcat catatccata aggtggaagt 180
 tcatgaaggt gagtgggata aatctggcaa tatcaggtgc ttacattcgc tgatggggac 240
 actgttgaga cctt 254

<210> 21877

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 <223> Clone ID: 700953376H1

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 ctttgctgct atgatcttgg cactcattgc catttccatg cttcaaacag tggttatggc 180
 tgctaattgag caaggaggcc acttgtatga caacagagca aatatggaag tgggagtgtc 240
 aagagatacc aatgc 255

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 <223> Clone ID: 700953377H1

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 ccagagaaaa atgcttttga atgggctaca tctttgaaag cccctcacac agaggatgca 180
 attcgggtta ctcaagtccac agcaaaactt ttcatagtga agctaggaaa tccacaaaca 240
 cacctgatgc tcaaaa 256

<210> 21879
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 <212> DNA
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 <223> Clone ID: 700953378H1

 <400> 21879

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 gagcgctacg aggagatggg ggagttcatg gagaaggtct ccgcctccgc cgagagcgag 180

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 aattgtttca tccctcgcaa tttcttatgg gatggtaatt tcaggccac gggcctggtc 180
 ggcccagatg attttggatc acagccgttt gtttggacct tgatttcacc agaattgggt 240
 acttcaactg cg 252

<210> 21883
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 <212> DNA
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<223> Clone ID: 700953384H1

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<210> 21884
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953385H1

<400> 21884

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 gaaaggaaag agaatcgcca tcattggcgt ctcaacctta ttgttggtgg ctatggttgt 180
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<210> 21885
 <211> 255
 <212> DNA
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<223> Clone ID: 700953386H1

<400> 21885

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taataatggg ttcttcttct cctccggaca ctagcaagag cataaagcta gagcgataca 120
acagctacat caggagactc aacagcacca aactcctcaa cgctcctcc aaactcctct 180
tccgtgccac tatcttagtc gcactcatcc tcgtctcttc ttcaccttca actaccctcc 240
cctcgcccca gactt 255

<210> 21886
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<212> DNA
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<223> Clone ID: 700953388H1

<400> 21886

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attctaatac acaattgcaa aatacagaat gaaaaaggaa taattaattt gtagctttga 180
aaacaaagtt acttttgaac tttcccaatt gaaattatac atccacttaa ttgggttggt 240
tcaagttggt atatt 255

<210> 21887
<211> 253
<212> DNA
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<223> Clone ID: 700953390H1

<400> 21887

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tctcaaattc tgggtttcaa gtttatttgc tacagcaaaa tgactagtac agaggaaaag 180
cctgtgactg tgagtgagga acatgatgca agtcttgcag aagaacagtt tctcttccag 240
ttcaaaaggt tga 253

<210> 21888
<211> 253
<212> DNA
<213> Glycine max

<210> 21891
 <211> 255
 <212> DNA
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<223> Clone ID: 700953402H1

<400> 21891

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 ttggaggtgg ccatctgcgt ttgaagttgc aattcatcct tagtgatgaa gagcgcgaca 180
 gaattcgttc attgagacaa tctgcattaa agaaaaaaca tgatgagctt cttagttcca 240
 gtagaagagg tgaag 255

<210> 21892
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953403H1

<400> 21892

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 ccagtcgggt tcgttcaagg agagaccaac gtggttggcg acctccccga ggcgcagaag 180
 aaagcccttg atgagctcaa gaagcttggc caagaagcgc tcaacaacca tgagctaact 240
 gctccaagc cagaaccgga 260

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<223> Clone ID: 700953404H1

<400> 21893

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gctgaaaggc aactttcaaa gaaggaatta aagaaaaagg ggcttgaaga acttgaagct 180
gttttggtg agctaggata cacacgagag gaaccactg gtcaagaaga tgattccaat 240
ggtgctgaga agaaagaag 259

<210> 21894
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<212> DNA
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<223> Clone ID: 700953406H1

<400> 21894

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tatcatgaaa ttagtcaacg tggggcaagg acttgtagc ttctgaagtg aaagagttgt 180
tatttggaac aaaattaaat gacacaaata tcaaagagga acagatagca gacatgttaa 240
aagtttttga ccgaa 255

<210> 21895
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700953407H1

<400> 21895

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ctttctgtgg aggtgctgac attggtcagg caatagcaaa agacactcgc attcccctgg 120
tttcatttac tggaagttca aggttggctt gatgggtccag caaacagtta atgagagatt 180
tggcaaatgc ttgcttgagt taagtggtaa caatgcaata attgtcatgg atgatgcaga 240
catcaaattg gctgtacg 258

<210> 21896
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700953408H1

<400> 21896

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 aaaaattggg gttaggtttg ataatcaatt ccagatggaa atgatcttgg tggcctttgc 180
 gaagatgacc atgggttctt ctgttctgca aatcatttac tacaagtaga cggctctgga 240
 ggggatgatc ttgacaa 257

<210> 21897

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700953409H1

<400> 21897

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 caacgtggat gggaagcaga gataatgttc gctatgacct ccatcaaggg tattggaagg 180
 agattcgcca acatcgcttg caagaaggcc gatgttgaca tgaacaaaag ggctggtgag 240
 ttgagtgtg c 251

<210> 21898

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700953410H1

<400> 21898

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 catggttgtg gtgtggatgt ttagtcttgg gcacataatt cccttggcag aagctgaaat 120
 tccatgtggc aggggtgcaat cactgtggct ccatgcatag ggtacctaag gggctcctgg 180
 ggaggtgtcc ctgcaccatg ctgcaatggg gtttaagagca taaacaacca agccaaaacc 240
 accccagatc gtcaa 255

<210> 21899
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953371H1

<400> 21899

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 ttactacctt aaaatttttt ctaacatttg tactttcttt tcttttgtgt tgggtgtttt 180
 tgaaaacagc agcaagttca gaactttgga catccttttt attggttatc catgaggggtg 240
 agacattaac tgaagt 256

<210> 21900
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953338H1

<400> 21900

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 gggcttgcac cggtatcccg 259

<210> 21901
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 <212> DNA
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<223> Clone ID: 700953339H1

<400> 21901

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 tattattttt ttttgttctt ttcttatcct gaggttcagt tatttcgtgt aaatctcaga 180

catgcaagca atttgaattg aaaaaataat ccgggatctt tagattctct tctctctcat 240
catcttcggt ctttgctgaa t 261

<210> 21902
<211> 260
<212> DNA
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<223> Clone ID: 700953340H1

<400> 21902

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tcatectcga acacgcagct tccgctgaaa ccaatcccag gcagctacgg aatgccgttt 120
tttgagcaa taagcgacag acacaactac ttctaccacc aaggacgcga caagttcttc 180
gcgacgagga ttgaaaaaca caactccacc gtgatccgaa caacatgcct ccggggccct 240
tcattctctc ggaccctcgt 260

<210> 21903
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700953342H1

<400> 21903

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taaagcaagc attaattctcc aaatctctc taagtgaagt attcttcaaa aaagaatgat 120
ctaagtcatg ctcttgccca tactcttgcc cttgctcacg aaataccaac ccaattcatt 180
ggaaagattc tataaaaaatc aaggtaatgg tgaacaaatc aataataaga ttgtgttggc 240
cgaagcagat ggagattttg t 261

<210> 21904
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700953347H1

<400> 21904

<212> DNA
 <213> Glycine max

<223> Clone ID: 700953351H1

<400> 21907

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 attcttgtaa cagtccgagc aagtcacctc tcaaagctaa tgagtgccct caacgtgaga 180
 gttaacaagc agaagattgt gtaatctggt gccgacattt gtctgtaaag gttgccgggg 240
 gtgacttatt atgtga 256

<210> 21908
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953352H1

<400> 21908

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 tgttatgtct cagatgatgg tgcagctatg ctgacatttg aagccatttc agagacttca 180
 gagtttgcaa gaaagtgggt tccgttctgt aagaagttaa cattgaacct cgggctcctg 240
 agtggtattt tgctcaaa 258

<210> 21909
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953354H1

<400> 21909

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 gcagcaacaa ctcaagtttc agggaaatgaa gagctgccaa agacaaacct aaatgggcat 180
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ttccagtata taaacctg 258

<210> 21910
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<212> DNA
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<223> Clone ID: 700953355H1

<400> 21910

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<210> 21911
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<212> DNA
<213> Glycine max

<223> Clone ID: 700953356H1

<400> 21911

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tatttctctt ggtttgataa caggatttgg cacaagcgtt gtggtctccc catttcagga 180
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gttttgagat ctggcatg 258

<210> 21912
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700953357H1

<400> 21912

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tcaagctcga gaacttatgc atgatgctgt tcgtgtaatt gttggcagaa agaatatggc 180
ttctgaaaca ataaagcaaa aattggtttt tactggaatg aagaaggaaa acttctagca 240
attcgtcaaa gctttg 256

<210> 21913
 <211> 257
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953358H1

 <400> 21913

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 gaaggagatc ggtttgggct cctccaacat tggttcttac attaatggcc aatggaaagc 120
 cactggttct tctgtcactt ctgttaatcc ttctaacaat cagagcatag ctcaagtgc 180
 tgaagcgact ttgcaagatt atgaggaggg attgcaagtt gcagtgaagc agccaagaca 240
 tggatgacta ttccggc 257

<210> 21914
 <211> 215
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953359H1

 <400> 21914

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 gtagatcgtg ccttttcttt tgtgcctgag aagccacttc tctacttgcg gttcttcttc 120
 ttcttcttct tcttcaattt tattcgattc gcttgctgga aaattctttg agtgagggag 180
 aggatgtctg gtggcacaca gaagagtctg agaaa 215

<210> 21915
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953360H1

 <400> 21915

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 agacgaaggg ctaacaactg taaaagaaaa taaggatgag aaccacgcaa aagtatttac 120
 tcttctccag gaggtaccct gttcctctgt atcttcagca aatgagagtt caataacaat 180

gtctgtgccca ctgggaaatc catgtgcctt caaggagata caccttccgt gaaagaggta 240
 atagcacgag atg 253

<210> 21916
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953362H1

<400> 21916

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 cctcttcaaa ttcaccgcca cctctgccgc cctccgcaag ctccaccgcg ccccttctgt 120
 ctccgtctcc gacctccgat ccctcctcgc cgagataacc tccgacgccg acggaaactc 180
 cgacggtggc aacatcgtaa ttgtccgcgg cactgtcgag ccaagtccgc cgtcgaaggc 240
 ggcacctgga aaaccctga 259

<210> 21917
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953363H1

<400> 21917

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 tttcaatatt tccaatttta agattccaaa cacaccccc cttcctcttt tttttatccc 180
 ttttctgctt tgttctctgt agagtaacag atctttgcat ctctggttat aattccgagc 240
 cgggtttctt gttagcactg 260

<210> 21918
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953364H1

<400> 21918

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 cgccgcccgtt caggctcgcg ccaaggacca gaaccgcgcc aacgcccttc agctcaagct 120
 gattggacag agtcacccta ctggtctcac agcgaatttg ttgaggctct ttgagcctag 180
 gcctgccttg gactataagc ctccctccgga gaaaagaaat gccatcgcta ataggcacia 240
 aaaagagcaa ga 252

<210> 21919
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953365H1

<400> 21919

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 tgcttctgat gggctagaga tatgggatgc catcaagtcc tgggtgcaag aatatgtgtc 120
 attctactac aagtcagatg cagcaattca acaagacccc gaactccaag cttggtggaa 180
 agaacttgtc caagtgggtc atggtgattt gaaagataag catggtggca aaagatgcaa 240
 acttgtgaag agttgatt 258

<210> 21920
 <211> 259
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700953366H1

<400> 21920

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 gtggaaagaa tgcataacca tttaacggct gctgtagttt caaatgattc tgagggtgctc 180
 cggttgcccn ggctcttaga ccagcataag tagtaccatt actgaattgc caacaacttc 240
 ctgtaaaaac aaaggatca 259

<210> 21921

<211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953367H1

<400> 21921

aaaaaagata tattatagca actgaactat tgtgaagcat aaaagaacaa aaatcttatt 60
 tagttgtaaa gcaataaaaa tatacagata aatgaagagg tgaaagaaag agagaaaaaa 120
 aatcaatgat atagaattct aatatgtaaa ggtctatggg ttatctcata aaaggtagtg 180
 taataaagca tcaatctaaa tcaattcata tctatttaaat atgaattaat ttataacgta 240
 aacaaattaa gagctctg 258

<210> 21922
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953368H1

<400> 21922

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 acacaaaaga aacaacactc caagaggacc accaggtcct ccacctcttc ctctcatcgg 120
 caaccttcac caactccaca actcatcccc acatctctgc ctatggcaac tcgcaaact 180
 ccacggtcct ctcatgtcgt ttgcgctcgg cgccgtgaaa ccgtcgtggg ttcatcggcc 240
 agaatcgccg aacaaat 257

<210> 21923
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953369H1

<400> 21923

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 ttcacactgt ttctgttctc tctagtttcc tatctttttt taacactcct tggaatttat 120
 aatgatggca tgcaaagtat tctccctgct atcttagcag aaagaataat attaactgag 180

tttgaataat ttgaggacta aatcatacac ccaaataaat caggggtcaa aattaccagc 240
tag 243

<210> 21924
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700953337H1

<400> 21924

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ggaacatgga tatacgtggt aatcgtacat attcatgcag actcaagttc aaagagcaga 120
cgatccttga tcgaaatcct cgccaggtaa gagttattgg ttattagtgg caagtcacaa 180
ttctttgcaa cctgttcttt atattattct atttatcttc ctactcctta aatttcgcct 240
gtctaaattc caaagtaac 259

<210> 21925
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700953370H1

<400> 21925

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ggagggctat caaactcaaa ggattgctct gaatcggttt agtcttcttc gtttttcttc 120
aaattcctcg tgacagatct aatctaataa ggcttatggg ggtgtttcag acattgcatg 180
catatgggag cagtggttgt gttggatgct ataaaagcct acactgagtg ctactgtgga 240
tgtgccatcg aaaggg 256

<210> 21926
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700953294H1

<400> 21926

00330-ET-550

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ccagtacggt gacagttcgt tctccgttgg ctacttcagc cgcgagcggc tctccgtgac 120
cgccaccgac atcgtcgaca acttcctctt cggttgcggc caaaacaacc agggcctctt 180
tggtggctcc gccggcctca tcggcctcgg ccgccacccc atctccttcg gtcaacaaac 240
cgccgccgta tatcgtaaaa tcttc 265

<210> 21927
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700953295H1

<400> 21927

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gcatcatgaa acgtgtcata aagacgaaga gtgtggaatt catgcctttc agtttgcct 120
tctttttgac cataaatgct gtcattgtgt tcttctatgg ccttctctc aaggactact 180
acatcgact cccaaataact cttgggtttc tattcggcat aatccagatg gtgctgtatt 240
tgatttatag aaacgccaag ccacaaggat ta 272

<210> 21928
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700953296H1

<400> 21928

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agctgtccta ccagtatatc agtgatcgat ttttgccaga caaagctatc gatttgattg 120
atgaagctgg ttcacgagtc cggcttcaac atgcacagtt acctgaagaa gcaagagaac 180
ttgacaagga ggtgaggcag attattaagg agaaagaaga agctgttcgc aaccaagact 240
ttgaaaaggc tggagagcta cgtgatagag aga 273

<210> 21929
<211> 261
<212> DNA

09311.0300
00360"ETEE60

<213> Glycine max

<223> Clone ID: 700953314H1

<400> 21935

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ggcaatgggtg aagtctccca agaagcaagt gaacctcttc tattcccttg actgtgaaga 120
ccttgcccag aacgttgctc ttcaatcacc ccacatcggt ctccagaaca tcaaatggag 180
gtcatttgct gatggatttc caaatatata tataaataat gcagaaaact tcgaggtcaa 240
catggtgctt tcttggcatc tttcagc 267

<210> 21936

<211> 267

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700953315H1

<400> 21936

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tagaatcaag gcatggccag agaggatatcc aggtgcagcg tcagatgtaa gcttcagtga 120
cattatcatg aaagatgtca aaaatcctat catcattgac caagagtatg aatgttatcc 180
agactgcaaa aagaagccgt cacttgtna gtcctaaaat attcattctc aaatataagg 240
ggaactacaa tttcaccact tgcagtg 267

<210> 21937

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700953316H1

<400> 21937

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gcctcagcag acgacgtcgt tgtgctctct gaagataact tcgagaagga agttggtcag 120
gacagaggag ctctcgttga gttctatgct ccttggtgtg gacactgcaa aaagcttgct 180
ccagaatatg aaaagcttgg tagcagcttc aagaaagcca aatctgttta attggcaagg 240

ttgattgtga tgagcataag agtttgt

267

<210> 21938
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700953317H1

<400> 21938

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tcaccggcaa gaccatcacc cttgaggtgg aaagctctga caccatcgac aacgtcaagg 120
ccaagatcca ggacaaggaa ggaatcccc cggaccagca acgtctcatt ttcgccggaa 180
agcaacttga ggacggccgt acccttgctg actacaacat tcagaaggga gtactcttca 240
cctcgctctc cgtctccgtg gtggcatgc 269

<210> 21939
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700953318H1

<400> 21939

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gctagagtgc cattctgtgg tttctttctt tctttcttct tgcatacat cacaatttgc 120
attgcctcgt gtcctttttc ttctttgctc tccaaaaatc tcacacacac aggtatctag 180
caaatgggtt ctcaccaaca agaaccatgg ctattggaga atgggaacca agggttttga 240
ccaaggagac caggcatggc cgttct 266

<210> 21940
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700953320H1

<400> 21940

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atcatcaccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggcctgaag 120
aggctactca ccccgacacg ttgaaggcgg gggttggtga gttcatctcc accttgatct 180
tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gtcaccgaca acggcgccgc 240
cactcccgcc ggcctcatct 260

<210> 21941
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700953321H1

<400> 21941

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caaaagctaa caccaactat aggcctaatc accaataaat attatttccc gttcttttgg 120
cgtgttgccc acccaactgaa cacatttgca ctcacacata gaagcagaga gaggccattg 180
gttggtttca gagatgggaa gcatgcacat agaaacccca gaacttttgc tgatggttagc 240
aaaaacttcg atgatgatgg ac 262

<210> 21942
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700953322H1

<400> 21942

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atcatcaccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggcctgaag 120
aggctactca ccccgacacg ttgaaggcgg gggttggtga gttcatctcc accttgatct 180
tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gtcaccgaca acggcgccgc 240
cactcccgcc ggcctcatct ccg 263

<210> 21943
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700953323H1

<400> 21943

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tcccagtgca ggattcagcc acttcgttcc cattatccac ttctcaaaac aactcgttga 120
gcttcacca gaaattcacg tagcatgcat cattcccata ctaggggtctc tcccagtg 180
cgcaaaaccc attctccaaa cccttcaca aaacataaac acgctttcct tccaccggtg 240
aacctaatag agctaccaca ag 262

<210> 21944

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700953325H1

<400> 21944

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atgtgcacca atagcaataa taagaatcat ctctcacttc tccattaaaa ttaaaatcca 120
atctaatactg gggtttccctt tctcccatca gaggacaaag cttccaactt tgcgggattc 180
gtatttggtg tttcagtgt gtgatgggga aggtcgcggt ggggctgcgg ttgtctgcgc 240
cgccgccgtc tgcgctacgg cgg 263

<210> 21945

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700953326H1

<400> 21945

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ctgcttttaa gactatgtgg caaggcatgg atggactaag aggtccaggt ctttctggca 120
gcggcaatta cttaagtaga agtgctttac tatttggaag tccaaaccaa aaagacgact 180
atctgaagga tgcacaaaag tactttggca agtctaccgc atcattgaat cactgaaggc 240
catccgtgga cagaaaagta gc 262

<210> 21946
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953329H1

 <400> 21946

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 ccataaagaa gctcacagta tcaagccttg tcaagtctca agaagatttt gaaagagaag 120
 tgaagaaatt aggaaaaatc agacaccaaa acctcgttga acttgagggt tattattgga 180
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<210> 21947
 <211> 265
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953331H1

 <400> 21947

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 tcatgagtgt gctctagcaa gaaccctgga ctctggctat cacattcaac gaagactgct 120
 gttgactggt accccaattc agaacagttt gcaggaatta tggtcctgc tcaattttct 180
 ctttcaaac attttcaatt cagttcagaa tttcgaggac tggttaatgc tccctttgca 240
 gaccgagtgg atgtctctct aactg 265

<210> 21948
 <211> 73
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953332H1

 <400> 21948

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 aggtcgcggc ctt 73

002250-ETFE60

<210> 21949
 <211> 175
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953333H1

<400> 21949

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 gaataataat ctgagacgac caacctcagc ctcttaccat gagtaagcta caaagtgatg 120
 cactgagaga ggcaatttcc caggtggtga gtaattcaaa ggggaaaaat cgtaa 175

<210> 21950
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953293H1

<400> 21950

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 tctcttcccc atccttggct ggcaaggccg tgaagctggg cccatcagcc cccgaagtcg 120
 ggaggggtcag catgaggaag accgtcacca agcaggcctc ctccggaagc ccatggtacg 180
 gccagaccg cgtcaagtac ttggggcccat tctctggcga gccccgtcc tacctcactg 240
 gcgagttccc aggtgactac ggctgggaca 270

<210> 21951
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953334H1

<400> 21951

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 tcactcccca cctttggaat tcaagggttt gagcaaggag gaggaagact cattgctagg 180
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atagagcttc gtatagcgga ca

262

<210> 21952

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700953258H1

<400> 21952

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tccaagaacc ttcaactcta tctccacctt aaaaggtag ggtaaaataa tatagttgac 120

aacttgacac aatgggatga ttattgaaga agctgaaggg agcacccttc tggccttcta 180

gccctttatt ctccttcccc tgaacccttt ttcttattta tttttttcac aacacccatc 240

tctcccaaat gcttatcttg atttga 266

<210> 21953

<211> 209

<212> DNA

<213> Glycine max

<223> Clone ID: 700953259H1

<400> 21953

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cagttggatt tttgcattca agtgggtttg ataattggaa ggcctatgat gctcaagata 120

aagaaattct acaattctgt aacgactctg ggatcaacgt taagcaatat cttccccact 180

accgcacaca agaagattgg acaaaccat 209

<210> 21954

<211> 124

<212> DNA

<213> Glycine max

<223> Clone ID: 700953260H1

<400> 21954

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caaaatgccc gccgtttatg gagctcgctt gaccaccttc gaagactccg agaaggagag 120

tgac

124

<210> 21955
<211> 203
<212> DNA
<213> Glycine max

<223> Clone ID: 700953261H1

<400> 21955

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tttccttcaa ggaggtcggt acactattgg aggcatacac tatgttgatg attctgatac 120
gcttggtcct gcaggggaca ctgagtttgc caaagctgct tcctttggct acaaactctt 180
aaacctgcgt gattgggtag agg 203

<210> 21956
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 700953263H1

<400> 21956

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gctgaaagaa ctgaaggaat ctactattga actggcttca agtcaaggat atattgatgc 120
ccctgttgat gaggttgtct ttgatgtgaa taaggatgtg gatgaccttt tgccagtga 180
agttaagaa cagcgctca gcaatctact gcaggcattg atggttgcgg cttgtgttgc 240
tgctatgccc gttttgaaga agataccaac ttcagtg 277

<210> 21957
<211> 180
<212> DNA
<213> Glycine max

<223> Clone ID: 700953265H1

<400> 21957

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aagtaatcgt cctgttattg tgattaagat attttagatg aatttgagga aatattttct 120

tctctaaatt aattttgaac atattacagg ataaaaaaga aaaaaaaaaa agggggggccg 180

<210> 21958
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700953267H1

<400> 21958

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cgtacaatta gacttcaaaa ttctggtcca gttatcaatg gcaaacagag atatgctgtc 120
aatagtgtgt ccttcatacc tgctgataca ccacttaaac tggctgatta ctacaagatc 180
caaggggtgt tctcccttgg aagtatccct gactaccca ctggtagtgg tggctacctt 240
caaacttctg tcatggaagc cgatttccga 270

<210> 21959
<211> 88
<212> DNA
<213> Glycine max

<223> Clone ID: 700953268H1

<400> 21959

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ttcgggtctc tcggagtacc ctgggtgg 88

<210> 21960
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700953270H1

<400> 21960

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caccatttt gtgacacttc tttggcctaa aacggcctct ggttcaatgt cagtattagt 180
tggaattacc ttaacttagc ctttcttaat tgtaagacgt gaaaaattgg atggattgaa 240

gactatgatg gaagttggaa tttgta 266

<210> 21961
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700953272H1

<400> 21961

ggc gatggac ctcggaacct atgacgtgcc agaaggagtg gacattcttg gaagatacga 60
tgcagagttt gcaaaaatcc tcgcaaaaga tgctttgaaa ttcgttgctg aactgcaacg 120
tgagttccgg aacgatatca agcatgcatt agagcgcaga agagaggcaa agaagaagta 180
caatgaaggg tctcttccgg ggtttgatcc tgccaccagt gacatcagag agcaggagtg 240
ggtgtgtgca cctgttccac cagctgct 268

<210> 21962
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700953274H1

<400> 21962

attcccgctc ccttaatcca aaatggcaaa aggttttgcc gcattatgct caagatattg 60
gtagggaaga gagcgaagat gaaagtgatg ataagatgg atatgaaaac aatgcacca 120
aagtttgtgg gctatttctt cggttctgcc ttttgaatcc agttccagga ttaagaatgg 180
agggtaggat tcgaagttct acatttcatt gagtgcagag taaatcaatt acttctcaca 240
gaagaactgc aaaagagcat ggtaga 266

<210> 21963
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700953275H1

<400> 21963

ccactatgaa actctgaact gagaaatgaa taacattaca aaacgctaaa ccctaattctt 60

ctgcaattcg tgtgctgga aaggttcgag aatggtttcg ctggaggaat ctgctctaa 120
 ttcgagccgt ttcccccttg cgaggagtta ccagtaccac tcttcggttt cgtccaaaac 180
 gcagcgtcac atcggaaggt ccatgcgcac gatacgtcc agtttcttcc aggacgacaa 240
 cagcagcagc tgctgct 257

<210> 21964
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953276H1

<400> 21964

cttgccgctt agccctctct cactccgct ccatcgatct ctttacgccc tctgactccg 60
 tctgtacgtg tcaactccgc tctgtcagcg ccgccaccgt cgtagtgtct cctgcaccgt 120
 cgctctctca ccattgaagt cattgttgtc gtcgtggggg ttgtgagggc atattcgtgt 180
 tgctccatct ggtgcgcgtc tcattcaatt taatttgttt ttcccttttt attctcctat 240
 agcttgaagg gggtgttttg gtgcat 266

<210> 21965
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953278H1

<400> 21965

ccttgttctg taccaacct ttcttcaca tgttgagttt cagcatcgtc ctctcttgag 60
 tccccatctc aaataccac cgaattcaac ccccatata acaaattctc tcccatccca 120
 tttttcagca ccaaagtttg aaacttttct caattgggtt gaggagagtt tgactcaa 180
 ttttattttt ctaacgaagc agtagctatt agaagtgc aaattaaatg tccaacatct 240
 tcttgttgat gtttgagatt catgtatccg a 271

<210> 21966
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953279H1

<400> 21966

cctgatttac attcttgcca ttcgtgttga actgaaaacc aaattgaaag aaagaagcct 60
acggctctgaa aaatccactt gtctctgatga gttatgtaag tccagtaatg gcagcagcaa 120
ctgcccttct ttctcttgca ttagatccat gggatgaatt ccgagaaaac aagtactttg 180
ataattcatt gcatattact cgaagttgct tgctgatgct tcttggtggc acattgcctt 240
ttttatggta ctaacagaat atgttctggg ctca 274

<210> 21967

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700953280H1

<400> 21967

gaaaagaaaa gaaaagcaat aaagaaaggg aaaaaagaag aagagagaag acaaagacaa 60
aaggtttctca aaactccatg attattcaga ttctctcaaa aacagtacca agcaatagtc 120
ccctacttga tcaaccacaca ggagtggacc tctctcagag tctctacaag accctgttta 180
ggcttgggtt ggaacaacat caaaaaaaga aaggagagac tttctttctc tttttagat 240
cgagatcgta gaaattaaga gaggcataga tagagggtg 278

<210> 21968

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700953281H1

<400> 21968

gaatgcagca agcgtgtttg gttggggggg ttagtattct tgagacttgc ggaatacagt 60
tccatggtgg tggagtgttt cttttcgagt tatgcaggat gtgggagtag tgatgtttcc 120
attactgagc tctgcaaact ttaggcttga tttgctatag attatcatgt ttattgatag 180
atatcatcaa atggatgatt aagttggatt taccatgcct ataatgatat gataagtaga 240
ctaattaaag ctgcatgcaa ttattttattg 270

<210> 21969
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700953283H1

<400> 21969

ggcgatatgg ttgcttgggg catgggaatg aagaatgtga atcagtacct aaggtggtgg 60
aagcattgag caatgtcaaa gctgttcattg ttgcaacagg agattacacg acctttgtag 120
tgtctgatga tggatgatgtg tattcatttg gctgtggaca atctgctagt cttgggcata 180
atgctgctgg aaatgatgag cagggcaaca ggcattgcaa agtggttagat ccagagcttg 240
tcacttcact gaaacagatc aatga 265

<210> 21970
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700953284H1

<400> 21970

tctcgagccg attcggctcg agattggcca gatttttttc taagaaacga aaggcgggtga 60
cacttgatg tggaagaaag tagcaccgtc tcttctccac tttagctaaa ctcccgaac 120
gcagctgctc cactcgtttc tctggcctcg ccgtgattgc taccactccg ttcgcttcac 180
ccatgtgctg ttgtatgggt tgaacgagga agataagaaa ttgcttcggg aatggagtgg 240
gacagcaatt ccgatctgag cggggac 267

<210> 21971
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700953285H1

<400> 21971

tctcgagccg aatcggctcg agactttccc caacttgcaa tgacataacc tgatggctgt 60
gaacgaatct gtcattgaagc gtacaacact agtggctaac acctcaaaca tgccagtggc 120

tgctcgtgaa gcttcaattt atacaggaat cacattagct gagtatttca gagatatggg 180
 ttataatgtc agtatgatgg cagattctac atctagatgg gcagaagcat tgcgtgaaat 240
 ctctggacga ctggcagaaa tgcctgcag 269

<210> 21972
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953286H1

<400> 21972

cttacctctt ggcattggcca ttcaaattgtc ttcttttgtc tttgtgtctc ttacaatttt 60
 attttgcttc tcttccttgg agaagagttt tgcctttcaa acaacaaagg aggacacaga 120
 aagcaacaat cttcatcaat atactcatct tgttcacctc agctcactcc ttccttcac 180
 ttctgcagc tcttctgcc aaggtccgaa aagaaaagca tcattagaag tggtagacaa 240
 acatgggcca tgctcccaac tgaata 266

<210> 21973
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953287H1

<400> 21973

cacatccatc tttgccttct gcatgttggt tctctgtaaa cagatactgc aaaagaagaa 60
 taatattgaa tatttggttg ggttgaatcc ctgggttgat gcgttgacaga catcacggct 120
 attctaagag tgtctctctc tctcattcat gtcccaactg tacgacggag gacaggttgc 180
 gtaactgcc ccaacccttc gccgcacggg gggcgtggtg ctttgcttcc tgaaggtggt 240
 agcccttcag acttgctctt cttag 265

<210> 21974
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953288H1

<400> 21974
 gtccttcgtc agttaactgt gggctaataca cagttcagga agcccaaaac tattaaagta 60
 tgtatatctg ctctctcttt tttgtttgac tgagcatagt attcaactca aagatgatca 120
 ctgtttcttt ctttctctat atctcaaaaa ggaaaccgac aacacaaagg atttgcagaa 180
 agtgcagcta cttagttcca ttttcatect ctctccattg actttcagtc aaaacaaaac 240
 aaaacctctt taggtgtgag attccac 267

<210> 21975
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953291H1

<400> 21975
 gttttcttac ttttcctatc tcattttcttc tctattctct cttcatgtca aaatatttgt 60
 caacagagta ccatgcatgt tttcaccatc tttgaatata agaaaattat atatttttgt 120
 gacttttgtt tcctaaaagc acaaaaaataa taacaaagta attaaaaaaa cttataacat 180
 gtgaatgaga taaggggaaaa ttattagaat ttttcttttt tacctataaa aacacttaag 240
 aagaaacaat aaaaaaagta aataa 265

<210> 21976
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953292H1

<400> 21976
 ctactttctc tctcttttga acttgtaagc atggagtcct caaagatcta tgcttacctc 60
 ttcctttgca tgctcttctt ctctctcgcc actcccatc tcggttggtg ctactgtggc 120
 aaacccccca aaaagcaciaa gcttggtaaa acaccaaaga caccacagt acccgttggt 180
 aagccaccag tcacaatccc tcccattggt aagccaccag tcacaatccc tcccattggt 240
 aatccaccag tcacaatccc tccc 264

<210> 21977
<211> 122
<212> DNA
<213> Glycine max

<223> Clone ID: 700953257H1

<400> 21977

gttaaattta cctgcgaatc ttgggttcac tccaagtatg ataaccctgc taagagagtg 60
tttttctcca acaagtcata ttgcatct gaaacaccag aaggagtga gaggttaaga 120
ga 122

<210> 21978
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 700953231H1

<400> 21978

ctcgactcg cactgcagc cgcattctc cgtcttctc ctgggtcga cccctcaaac 60
gctccaaaac cgccgacaaa ctctacaaaa aatacgtcct ctctacaaa ctcaaataat 120
acatcccat gcatccaata accaatttca ttgctgatt cattgatata tacctataga 180
aattggaaaa aatgtctcag atcttggcac cgttccagtt actggaactg aacgtgattt 240
ccgcccagga cctggctcct ctgggtcga acatgcgtac ct 282

<210> 21979
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 700953232H1

<400> 21979

cgttagtcac gaataatac ttaccatgaa tacttggcta gtagtatact aggggttcaa 60
attcaaacta tttcaattag gaggatctca actcaactca tgtttttatt aggactgttt 120
catattaata ctgttaaagt ttgaattaat tttacctgt ccaaccgcta tatagataaa 180
ataggttacc aaaacaaaat gtaagtttag gacacaatcc aactgtacct cactcacatc 240
agattgatca cttttttttc ttaaaaaaaaa actttgatta t 281

<210> 21980
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953233H1
 <400> 21980
 gcgagatggg gttctgggtc atgggtaatg gtaatggatt gcagaagcta aaatcactta 60
 cagttgcatc ttgcaaagga gtaacagata ttgggcttga agctgtagga aagggttgtc 120
 caaatctgaa aattgcacac ctccacaagt gtgcatttct gtcagacaat gggttgatgt 180
 cattcgccaa ggctgcttca tcaattgaaa gcctacgatt ggaagagtgc cacagaatta 240
 cccaacttgg gtttttttgt gtccttttta actgtggtgc aaa 283

<210> 21981
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953234H1
 <400> 21981
 gccaatattgg tgcttattca tcagctcagc ctaagttgat aacagttgac tcagaagagg 60
 tagaattcaa gtatgaggaa gaatctggat tggtgactat tgatttgaga gtacctgaga 120
 aagagttata ccaatggagc atttctattg atttttgaat cagagacttt gtctcaagat 180
 gaaggggttt agagttatag acttgatgta tccatagttc gcaacaatat gatgagcgta 240
 tgtagaccaa tggcaggaaa tgttagaggt tccctgt 277

<210> 21982
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953235H1
 <400> 21982
 cttcaaaaca ctcataacac aaagcacaaa gcaaagctca tcctatgagt taaaaaatgg 60
 cagcagcttc ttccatggct ctctcatccc catccttggc tggcaaggcc gtgaagctgg 120

tccaaactcc tcttccgtgc cactatctta gtcgcactca tcctcgtctt cctcttcacc 120
 ttcaactacc ctccccctgc cccagacttc acctcccacc gccacctcca ctcccactcc 180
 cacttctctt cctctctctc ctccctcgcc tcctgggaga agcagggtccg ccaactctcc 240
 atccctcgcc gccccaacgg cctcaaccgtc at 272

<210> 21986
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953240H1

<400> 21986

cttttcaatt ttcaactctc tttgggtattt aacttccacc ccaactctcc ttagacttgt 60
 gcatttcttg ttggctccca tagagtgtgg ccgtcacatc ccaggatcat tatgagttgt 120
 ggctgctttg gagcctcaac tctcaagagg aaaaggaatc cttctcgtac tcctaagtag 180
 attgatggct ttccacttga taatgttaag aatttctctg ataaagacct gagactggcc 240
 actgataact ataatccaag caaaaagcta g 271

<210> 21987
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953241H1

<400> 21987

attactactt tctctctctt tgtaacttgt aagcatggag tcctcaaaga tctatgctta 60
 cctcttctct tgcattgtct tcctctctc cgccactccc attctcgggt gtggctactg 120
 tggcaaacc cccaaaaagc acaagcctgg taaaacacca aagacacca cagtaccgt 180
 tgtaagcca ccagtcacaa tcctcccat tgtaagcca ccagtcacaa tcctcccat 240
 tgtaatcca ccagtcacaa tcctcccat tgt 273

<210> 21988
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953242H1

<400> 21988

tctcgagccg aatcggctcg agagaagaaa cttaatcgat catcacttca cttcactaat 60
acatcatggc agacgagacc cagaacaagt atgagagctc tgatgttgag gtccaggatc 120
gtggtgtttt tgactttctc ggtaagaaaa aggatgaaga agacaagcct catcctcagg 180
aggaggtcat cgccaccgag tttcacaaag tcaactgtctc agaccatgga gagaacaagc 240
acagcctctt gagacaagct tcaccgatct ga 272

<210> 21989

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700953243H1

<400> 21989

attcaactta agagatcaat atggccacca ccactacca gcctccctct aatatctgtt 60
ttttccttct gttgttgctt ctagcacact ttcatttggg cataagccaa cttgagctga 120
attactactc taaaagctgc ccaaaagctg aagagatcat caaggaacaa gtcacacaac 180
tatataacaa gcatggaaac actgccgttt cgtgggtcag aaatctcttc cactgattgcg 240
tggttaagtc atgcgatgca tcattactgt t 271

<210> 21990

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700953244H1

<400> 21990

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gaaggattac catgaccac ctccggcgcc gttgatcgac ccagatgagc tctaagtgt 120
gtccttgtag agagccgcca tagctgagtt catagcaaca ctcttttcc ttacatcac 180
cgtgttgacc attattggct acaagagaca gagtgacacc aaaatccccg gtaacaccga 240
gtgcgacggc gttggcattt tgggcacgc ttg 273

<210> 21991
 <211> 276
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953245H1

 <400> 21991

 aaaaaacttc ttcttgttct gttgtgtcca tatgttatat tttattttat gatatacata 60
 gaagcttggt cttctgatct aattttatga gatcaagtgt tggttctttc tccatctagt 120
 actattatct tccccctgta atatatatat atatatatta ttctaattaa actaattcac 180
 aggctacttg atccgtttgt tttgaagaag atcatcgctt gtttttggtt aactgtttaa 240
 tccaaatcca gtttcatttt acgtgatccg ttaaat 276

<210> 21992
 <211> 278
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953246H1

 <400> 21992

 aaagagaatc cgaggcgaag agaagagaaa aattgagatg gaggggaagg agcaggatgt 60
 gtcgctggga gcgaacaagt tcccggagag acagccgatt gggacggcgg cgacagagcca 120
 agacgacggc aaggactacc aggagccggc gccggcgcca ctgggtgacc cgacggagtt 180
 tacgtcatgg tccttttaca gagcagggat agcagagttt gtggccactt ttctgtttct 240
 atacatcact gtcttaaccg tcatgggagt cgccgggg 278

<210> 21993
 <211> 281
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953248H1

 <400> 21993

 gtttttgcac ttgtctgggt ctatattgta agaattatgg catcagagga gacaacaatt 60
 tggaaggcaa tgataaaaac tccagcctcc atagtgttga taatttacac cttcatatca 120

atgtggtttg taggtggtct cactgccttc catttgtatt tgataagtac caatcagact 180
 acatatgaaa acttcagata ccgatatgat cggcgagcca atccatataa taaaggagt 240
 ttgaataatt tcaaagagat attctgcac agcattcccc t 281

<210> 21994
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953249H1

<400> 21994

gtaataaggg tcaatttact tcatcaaaga atcaggatgg aactaatagt tggggttcag 60
 atcaagagtc agggcaggat gctgttcaat ctgaaacctt gtgcacacat tgtggaataa 120
 gttcaaaatc cactccaatg atgcgtaggg ggccatctgg tccaaggcca ctttgcaatg 180
 cttgtgggct tttttgggca aataggggca ctttgaggga tctttctaag agaaaccagg 240
 aacactctct tgcaccacct gagcagggtg atgaggg 277

<210> 21995
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953250H1

<400> 21995

attttggttc atttttatct tttttgtgaa attagaacag ctaaaatttt ggctatagat 60
 tactttggct cttagaaatt agaataatac tatcaaaaca tttcttttct gtatacttac 120
 gcctggactt ttgaactggt tcaaagccca catggtgcat agaaaccaag atgttcaagc 180
 agcacaagct tggatatatgg gagctgttaa tttctttatt gttcctctga cagtttggca 240
 tcagaaaatt tatgatataa gtctgggtgga cttgg 275

<210> 21996
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953251H1

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700953255H1

 <400> 21999

 agtttgggtg cttttgcaac cattaaccat cttcacttcc aggtttatta tttggctctg 60
 cccttcccaa ttgagaaggc cccactaag aaaattgcaa gtttaaattg tgggggtgaag 120
 atatctgaac tggtgaagta tccagttaga ggtctcgtct ttgaggggtg cgatacgctg 180
 gaagatttat caaatgttgt ttcagatgcc tgtatatgtc ttcagaacaa caacatacct 240
 ttcaatgttc ttatctctga ctgtggaa 268

<210> 22000
 <211> 265
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953256H1

 <400> 22000

 ctccaacgac attacagcgt tcaatctcga accttcaaac gacggtcaca cacaacacaa 60
 tccatgccat tctgaaacgc ttcttctttt gcttgaacga ccgtcgtttc gttccgaaat 120
 ggggactcta acgagttgca gtttcatgcc tctgaactcg gagtttcgcc gcgccttcag 180
 ggagaggatt cagtgccaca agctcacgcg catgaggggc acctcctgct tcttctcacg 240
 cgcgcgagta cccaaatggg gcaag 265

<210> 22001
 <211> 280
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953230H1

 <400> 22001

 atcaattcga agcacatttg ttttgttgca agagaaacag taatgttgga ctagaaagtg 60
 gaaaaccctg gtttagattg gtgttgggct tttgcgcagg aacatagtca aactcaaca 120
 taggatagat agtttgttcg ttgcgttgcc atgtcggcgt cggagattct tcgggaactg 180
 gattcgctga aggacgaaaa gaccagaatt gagcacaaaa tctctgcgct tgaagctcaa 240

<210> 22005
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 700953205H1

<400> 22005

gcgagacaga ggaacccacg gttccagaaa acctcttgtc gctgaactca agtataacat 60
tgatgagcgc acgcgctttc ttggccgcgt gaggagtacc gtccgtcaga agcgaatata 120
gcgaacgcat aaccgaagcc tccttgcca gaacaccggt cacttccgca ccaacattaa 180
cacagagagc cagcaaaatg gacgcacagt actccttccc tgagcgcgaa gtagcagatt 240
gcaaaatctt agccaccaa ggcaacgcct ctgctcgta 279

<210> 22006
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 700953207H1

<400> 22006

atcgaaaccc tcgatttccg catccgcacg gaggctcacg tcatccaacc gtgcctctcc 60
gcacgggttac ttgctgaacc gcgtcgccga atacgtaca gcggcgccgg ctgctaccgc 120
tcctccctct gtcgcctc cgggcaagaa ggaggttagc ggcgacggg aagatcaccg 180
atgagttcac cgggacaggc tcgatcgggc aggtctgcca ggcatcggt gccgtcgctc 240
atgtcagatt cgacgagggt ttgcctccga tcatga 276

<210> 22007
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 700953208H1

<400> 22007

tcgagcattc ggttttgaat cttttgagcg aaaatgcagt cgagtccttt gtttctggag 60
gaaccataa ggatggcctc catcctcgag ccatccaagc ctagtttctt tccagcgatg 120
acaaagattg ttggcacact tggcccaaag tcacgatcgg ttgacgtgat ttcacaatgt 180

tcatctcaac cccacagaga gaagttcatt cagga

275

<210> 22011
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 700953213H1

<400> 22011

aacaaaccta gctgttcatt gggtattagc tcataatgga agtggaaaga atacaaacct 60
tgtctttgaa ccagctcaag gagcttcac cccagttcat ccgtccagcc aatgaaaggc 120
cagagaacac caagccatag aagggtgcat tgtgcctctc atctcactgt ctgagtcaca 180
tcattctttg gtgaaggaaa tagctgaagc tgcttctgag tggggatttt cgtcataacc 240
gaccatggta tgtcacaac attgatccaa cgtttgcaag a 281

<210> 22012
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700953214H1

<400> 22012

gtaataagat gccaaacttg gaggagtatg gtaccaattt gaccaagcta gcggaagagg 60
gaaaattgga tctgtgtgtg ggaaggcagc cgcaaattga acgtgtgact caaattttag 120
gtcgtcggac taaaaataat ccttgtctta ttggagaacc tgggtgttggg aagacagcaa 180
ttgctgaagg tctcgctcag cggattgcaa atgggtgatgt acctgaaacc atagagggaa 240
aaaaggatcat aaccctcgac atgggtctgc ttgttgctgg 280

<210> 22013
<211> 142
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 atagtcctcc ataactgcga gatcatgccg gaccctaccc tcttggcaga ccgcttgagc 120
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 ttcttgctgc tgatgagtca acagggacaa ttggcaagcg tttggccagc atcagtgtag 180
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277

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tatggcaaat gaaactgtga ccaatgatgt atcagaggtc agtactgaga aagatgttcc 180
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<223> Clone ID: 700953227H1

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<223>      Clone ID: 700953155H1
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<223>      Clone ID: 700953156H1
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9243

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 aaaggggtatt cttgctgctg atgagtcaac agggacaatt ggcaagcgtt tggccagcat 180
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 tgggtgtt 247

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 ctcatctcta gcgtcattta tgtccaatca agaaactagt tttgtgactt tagggcagcg 180
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<213> Glycine max

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<211> 234

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<213> Glycine max

<223> Clone ID: 700953169H1

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ccggaggcca gtccctccg gaagatcatc gtggtggcct ccatcggcgc cggggtgcaa 180

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<211> 88

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gcgtttccag agccatgctg tgcttgca 88

<211> 249

<212> DNA

<213> Glycine max

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tccaacgcac ctctctcac ttcaaggagg ggagcatata gtagcggctc agtgtacgac 180
aagaaccctg atgatgagat ccagtctggg cagggtcccag acgatgtgat ccaggcggca 240
acacaatca 249

<210> 22040

<211> 92

<212> DNA

<213> Glycine max

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<211> 246

<212> DNA

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cctacaaggt tccaagtga gtcatacctt ggaaggccat ggaagcaatt ctcaaggacg 180
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ggtgaa 246

<210> 22042

<211> 247

<212> DNA

<213> Glycine max

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

Abstract

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caatcgccat gactgtgatg actcctgctc ccattgacca gcagcaggag gacgaggaga 180
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aacctg 246

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gaacaatgtc ctgttggaag gtattctcct caagcctagc atggttactc caggagccga 180
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gagaatcc 248

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002230-032200

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0022063-03200

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gtgcttccta ctacgccaat gccaaaagcc atcactgata tcctttactc tgattgggtg 180

gaagagaaaa gcagctcagt gcatgttgga ggtggaggcg tgaacgtgca tacaggaaaa 240

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tctcagctcc ctcggtacc ggcgcgtcgc tcccgatctc cgtggctacg gtgacaccga 180

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agaggaaaca atattcttgt catttgtgat gtgtacacc cagctggtga gccacttcca 180

accaacaaga ggtatggtgc tgccaaaatt ttcagtcacc ctgatgttgc tgctgaggaa 240

ccatggtatg gt 252

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 <223> Clone ID: 700953135H1

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 gcttcaactt cactaacgct atagtatcgt gtcaacaatg ccaatgcac accatcttct 180

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<223> Clone ID: 700953137H1

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tcattctctt ccttgctact gatcgctcatg tacagagttg cagcatcatc attcagaagg 180
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<223> Clone ID: 700953138H1

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aatatctccg ttggcgagag tggagatcgt cttaccagag ccgctaaggt gttggaacag 180
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<223> Clone ID: 700953139H1

<400> 22072

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<212> DNA
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<223> Clone ID: 700953143H1

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<223> Clone ID: 700953144H1

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 cttaggggct tgctctataa tcaacaggtt taccctgatt gcaggagagt tgtttggcat 180
 gcttattgca atgctcttca tgcagcaagc tatcaaagga ctctggtgatg agtttcgcat 240

accagagag

249

<210> 22078
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700953146H1

<400> 22078

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gccaactatt ccatactgag cagctcatta gtggaaagga ggatgcagca aacaactttg 120
cccgtggcca ctataccatt ggaaaggaga ttgttgagct ttgcttggac cgcatcagaa 180
agcttgctga caactgcaca ggtctccaag gttttctggt tttcaatgct gtgggtgggg 240
gaatggctct 250

<210> 22079
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700953147H1

<400> 22079

tatcaacagc gcaaggattg ataatgtagg ttagacccc tgtaatgtcc aacaccttct 60
gaatctcatt aaccctaatac acatcatggt atgaagacct tcttatctga atagcacggt 120
gatctttgtg gtaagcgagg cagagagagc agagagcacc gttcatacaa tctaagcaat 180
acatgttgca ctcgctcttg tgcaatcag cgtgaagctt gcattgaaca aagaagctct 240
ctttgagaag agg 253

<210> 22080
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700953150H1

<400> 22080

ctcgagccgc gggactttca ctagccgcag cagcctcagg aggagaataa ggatgtctca 60

<223> Clone ID: 700953072H1

<400> 22083

aacactcata acacaaagca caaagcaaag ctcatccttg agttaaaaaa tggcagcagc 60
 ttcttccatg gctctctcat ccccatcctt ggctggcaag gccgtgaagc tgggcccatc 120
 agccccagaa gtgggaaggg tgagcatgag gaagaccgtc accaagcagg tctcctcagg 180
 aagcccatgg tacgggccag accgagtcga gtacttgggc ccattctctg gcgagccccg 240
 tccta 245

<210> 22084

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700953073H1

<400> 22084

aataacggtt ttcgggttgg gttggagttc gggaagaaca aggttttggga gatgattttt 60
 acgaggagtg gtgatgtttc ggttgctcggg atttgcggga ttggtgggtc cgggaaaacc 120
 actcttgcta gagagggtctg cagagatgac caagtgagat gttatttcaa ggagaggatc 180
 ttgtttttga ctgtgtcgca gtccccgaat gtggagcagc tgagagagag tatctgggta 240
 cacatc 246

<210> 22085

<211> 206

<212> DNA

<213> Glycine max

<223> Clone ID: 700953074H1

<400> 22085

ggatgtcggc tttgaaagta caaactttga tactactcat gttagaaaga acatcgggat 60
 ttggaaggga gatgctgatg agttaaaccc atgttgggct aagccatctg aagacaatgc 120
 ggagactgag gggtttttta ccttttcact aaccaatggc ccagagtacc atatatctca 180
 gatagcagat gcagtgtctg ttgctc 206

<210> 22086
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953076H1

 <400> 22086

 ctacgcctct cctctctctc aaaaatcggt ctcttcgatt ttagcgtttt gttttgctgc 60
 tgcctccggt ccccccttct cataaacaac gcgttttctc ttctgcttcg tatctattct 120
 ttgctctttg gttttggttg attcaaggcc ttcacagcat tcggtgcggc attttaatcg 180
 atttatccaa gcaggactga atgaactaat ggagtctaaa ggtgggaaaa agaagtctag 240
 tagtagta 248

<210> 22087
 <211> 141
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953077H1

 <400> 22087

 gttttggttt tggagttggg ttataatct tcaatcttgt ttgggagaga gagagagaga 60
 tagagatgta catagcttcc atgggaatgt ctttcaagga ctcttgaaa ctgcttgaag 120
 ctgatattca ccatgccaat a 141

<210> 22088
 <211> 240
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953078H1

 <400> 22088

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 caatatgatg cagagactct cttctgccac tactactact actactcgct ctgccttgct 120
 gcgctacggt ggcggcgcac ttcgccggga cgtgcttgct ccatttctct cttctcactt 180
 agcagctaag tcacaggcgg gtgaaaatga caccaaagca gctagatggt tttcattatg 240

<210> 22089
 <211> 129
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953079H1

<400> 22089

aaagaaaacc acacaccaca cattgacaaa taaacgtgca aacttatgtg tgcataatTT 60
 tcttatgtat gcttaagttt tgtaattgga tgctatctag tttttcatat ctaatagggT 120
 gttgtgtca 129

<210> 22090
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953082H1

<400> 22090

ctcttagcgc agatctctca gggcttgcac cttctcaggt aagttgtgaa gatgtacaca 60
 tcaaggaaga aaatccacaa ggataaggat gctgaaccaa ctgagtttga agagtcagtt 120
 ggacaggcat tgtttgatct ggaaaatacc aaccaggagc ttaaaagtga tctgaaggat 180
 ttatacataa actcagctgt gcaagttgat gtttctggga accgcaaggc tgttg 235

<210> 22091
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953085H1

<400> 22091

cacagattga agcaccgtgg tcttgactgg agtgggctcc accaatatgg tgataactat 60
 ttggctcatc aacgggttagc catagttgat ccagcttctg gtgatcaacc cctcttcaat 120
 gaagacaaaa ctgttggtgt tacggtgaat ggagagatct acaatcatga agaactcagg 180
 aaacaattgc ctaatcacac cttccgtaca ggaagtgatt gtgatgttat tgctcacctg 240
 t 241

<210> 22092
 <211> 241
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953086H1

 <400> 22092

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 ataatttatc ctctaaattg ggggtagcgc taccagatat tgatgcccg g caattcattg 120
 ctaccatcat atttcttaag ggggttgagg ggattttgtt tgtgtttgga agcacatttg 180
 gatctttcct actgcttttg catctggcga ttactactcc acttctgtac atttctataa 240
 c 241

<210> 22093
 <211> 126
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953087H1

 <400> 22093

 aaaaatcata ttttgttatt gctgaagtta ttgttttagt tgcttttgat ttgtagaaca 60
 aggtccggca accatatact tttagttttg gcctaaatta tacaggagga caccgcaata 120
 gttttt 126

<210> 22094
 <211> 240
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700953088H1

 <400> 22094

 gtgcatctca caggatgtct ggactgagct tggacgtccc tgtggcattc atcaaaagca 60
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 tgattacttt tataattatt ttactcgtgg tctggacatc ttatttgatg gacagactca 180
 caaaatcaag aagtttgtgt tacacaccaa cttccctggg catgctgatt taattctcac 240

<210> 22095
<211> 139
<212> DNA
<213> Glycine max

<223> Clone ID: 700953090H1

<400> 22095

gaaagacaat gccgaagtct caatttcgaa cccatttctt ggttttctctt ccccttttgt 60
tattcatctt caacctcacc ccttcgcacg cactctatgg agcatcctca cccgtgcttc 120
atctcactcc ctctaactt 139

<210> 22096
<211> 150
<212> DNA
<213> Glycine max

<223> Clone ID: 700953091H1

<400> 22096

agacaacgaa aggagaagat gaaatgggat atgcagatgg aggaaatcga agcgattatg 60
gagaaaattt gggacctcca cgataagctc agcgacgccca ttcactccgt ctccagatcc 120
cactttctca cttccgtcaa aaccctcaaa 150

<210> 22097
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700953092H1

<400> 22097

aaactagctg tggaactgga agcacattca cattcacatg caaaaggaat agctgctaaa 60
tgatgaacgc cgcaacagca gctaatagca gtgtttattc acagacacag tgcagactac 120
tttctctgga tcttcgaagt tcgattcctt tcttgaatga acgcaagtca cggttggtgg 180
taagggctgg cggtcgtcct cctcaaaata tgggcaagga cgaggatgag aacagcagca 240

<210> 22098
<211> 235
<212> DNA
<213> Glycine max

<400> 22101

aacccaactt atctctctcg ccttttcttt tctcatcttt tagtaaaagg gttatctcct 60
agtttcattt ttctcttggt tccaccattt ttctaagggtg accttggaac tggtttaatt 120
caaagacact tattccattt gacattagag gccgtgttcg aatacttcat cctccagtta 180
tgacttggtt cccattctca tttggtaaga aagtgcgctt tgtggcaaca catgatccag 240
atattgatga agta 254

<210> 22102

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700953103H1

<400> 22102

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actatctttc tactcaggat tattcatctc tagaagggtc ttccatgaat caactatatg 120
aaactggagg gatccttgct tctgtggact caagagtgtc agttttggca ggatcaacag 180
tgggtggtgg ctctgctgtt aattggtcag cctgcattaa gacccacac aaggtgctaa 240
atgagtggtc tg 252

<210> 22103

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700953104H1

<400> 22103

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ccggcgacct ataccggcgg cgctgagtgg tgatcaagga aatgggtcag aggctaagct 120
gcgtgcaaca gcagcacgag gagcatggtg tgctcttccc agcacttgca agtggagaat 180
tggagggttg tgaggccatg gtggaggaag accccactgt gttggaacac accactggct 240
gtgaccgcct tt 252

<210> 22104
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700953105H1

<400> 22104

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tgctagcatg caagtatgca ttgctggatt taaaaagggg cagctgaaag tgttgtccca 120
atcatatgat aggtccctag gtgggagggg ctttgacgag gttctgttca atcattttgc 180
tgcaaagttt aaggaggagt acaagattga tgtattccaa aatgccaggg cttgtctgag 240

<210> 22105
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700953070H1

<400> 22105

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ccaccaaaca caacaacaat ctctccaagc cttcctccct ccacacggag gctccgccgc 120
cggagccagt ccctccgga agatcatggt ggtggcctcc atcgccgccg ggggtgaatt 180
cgggtgggcc ctacagctct ctctacttac cccttacgtc caactgctgg ggatccccac 240
acttg 245

<210> 22106
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700953106H1

<400> 22106

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caatggcaac gatcaaggcc gtgaaagctc gccagatctt cgacagccgt ggaaatccaa 120
ccgtcgaagt tgacgttatt ctacagcatg gaagcttcca cagagccgcc gtgcctagcg 180
gtgcttcaac aggtgtttat gaggttttgg aattaaggga tggaggctca gactacctcg 240

g

241

<210> 22107
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700953107H1

<400> 22107

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ataatgaata ttaatggccg acgacccttg gctgagtctt tacttcctcc ccctgacttt 120
gagtctgcaa actatccaaa gggctgggtg attggcaaga agagaaagct tgттаатgtc 180
gatgttggtg aaagcatgcg aaggattgcc atccaagaaa tgaacagaaa ggacagggaa 240
attgatgggc taaat 255

<210> 22108
<211> 138
<212> DNA
<213> Glycine max

<223> Clone ID: 700953108H1

<400> 22108

ggaaaattag gagtgctgag ctctgtattat tattatTTTT cctgtaaatt gtttcctca 60
tgtttggtt ttattttcat catagatatt gcaaaccact tattcatttt taaaatttaa 120
ataaatatcc tatatgag 138

<210> 22109
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700953109H1

<400> 22109

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acagtattgt ttttttcttc ttcttcttct tcatttttca ttaacatata tttctttttc 120
gaagaatcaa aggtagaatc tacaatatta aaaaaaactg tataagaaat taaaggtagt 180

ggtagtggag tgtgtgtgtg tgtgttaatt atgtgtatgc atggtggaag ctagagtaat 240
agaggcgcaa catgg 255

<210> 22110
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700953110H1

<400> 22110

gttaaagagg aagttgcaaa tctttacctt gggatataggt ggtgttggtc tggtttcagc 60
ttatgtttct tattcccctg agattgcagc tagctttggt gctggctttc ttggttcttt 120
ggcgtatatt cgtatgctgg gaagtagcgt ggactcgcta aggactgatg gtgcaaaggg 180
atttgtcaag ggagcaattg ggcagccaag attactgggt cctgttggtt tggatcatgg 240
ctataaccgc 250

<210> 22111
<211> 117
<212> DNA
<213> Glycine max

<223> Clone ID: 700953111H1

<400> 22111

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ttccgcaatc gccgcacgt ccgataccct agccaaacct gcttccacac aacatac 117

<210> 22112
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700953024H1

<400> 22112

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aagagtgtga gtgttggtgtt gactgcagtt tctttctcac atggcctcta tgccgttggg 120
gccgcagcaa cagcttccac cgccgccgcc gcaacaaccg ccgccagcgg agaatacgc 180

gatgaaagtg gactctcgcg gcggctccga cgcgagcacc gataaggaat gtcagcccct 240
gtcgcagatg gt 252

<210> 22113
<211> 130
<212> DNA
<213> Glycine max

<223> Clone ID: 700953031H1

<400> 22113

ggcatcttgt gttgtgtccc tcttttaagc tatttccttc tcttaacaca attggttgtg 60
ccaattgcc a tagtcaccaa ccaattaaca caggtatata tatcatcata tcatcaccaa 120
atgacacata 130

<210> 22114
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700953033H1

<400> 22114

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gacgtgctc cggccaccgc tccggtcacc gcctttggtt ccctcacttt ctcgtccttc 120
ttcttctcag aaatatgcct tctcagaaag ttgaaacggg tcatcaagac acgggtccatg 180
atgttgcaat ggattactat ggtaagaggc tggccacggc ttcacatgat cacacaatta 240
agtaattggg g 251

<210> 22115
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700953034H1

<400> 22115

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gacgccgctc cggccaccgc tccggccacc gcctttggtt ccctcacttt ctcgtccttc 120

0953113-032300

Parameter	Unit	Value
Temperature	°C	25.0
Pressure	atm	1.0
Flow rate	L/min	1.0
Sample concentration	g/L	0.1
Sample volume	L	0.1
Sample weight	g	0.1
Sample size	mm	10.0
Sample shape		Rectangular
Sample color		White
Sample texture		Smooth
Sample density	g/cm ³	1.0
Sample viscosity	Pa·s	0.01
Sample conductivity	S/cm	0.01
Sample refractive index		1.0
Sample absorbance		0.01
Sample transmittance		0.99
Sample reflectance		0.01
Sample emissivity		0.01
Sample permeability		0.01
Sample porosity		0.01
Sample surface area	m ²	0.01
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<212>	DNA
<213>	Glycine max

<223> Clone ID: 700953039H1

<210>	22121
<211>	243
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700953040H1

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 agctcagcat cactactggt ttctcgaacc taagcagcga aggagatgtg tggctgattc 180
 aattctaaag ggaccagaaa caagcacatc tgaatttcag ttgttaattt accatgtata 240
 cga 243

<210> 22122

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700953043H1

<400> 22122

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 gatttggttt ggggtccatga agaggacgat gtctttgtga aactgatga tggagttaaa 180
 tgctgcaaat tgattgctgt tcatgctggt ttggagaaag gaaaagatgt gaaagagcat 240
 taaaact 247

<210> 22123

<211> 167

<212> DNA

<213> Glycine max

<223> Clone ID: 700953044H1

<400> 22123

caaaacactg ttacacactt gtcactgcct ccatcaggtc gctgtcgcgc tacctcgcac 60
 aaagcctcga taggcctaaag catattccaa acaaccatca attggtggga cctccgttcc 120
 tgcattgttc ttccccgttt ctctacatt ctccgccacc ctctctcc 167

<210> 22124

<211> 246

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700953046H1
 <400> 22124
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 aaagtcccgga accgtgggca acaccgagcg aactggtgcc aagccgtccg cgggtggcacc 120
 ggcacgcgcg tcctcgcctt cctaactca aaaccccccg atatcccaa gctccaaacc 180
 tccctccgca cctccaaac ctcccacca atcctcagtt cccgactcca aaccaagcaa 240
 ccacat 246

<210> 22125
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953050H1
 <400> 22125
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 tagagagaga ttattgttgt tgggatattc tgagaaccgt tgattgagaa atgaacggtg 120
 gtgatgaggt cgtggcagct cgggcgagtc caccgcagcc gctggagtgg aaattctcgc 180
 aggttttcgg ggaacgtacg gcgggggagg aagttcagga agtggatata attctgctat 240
 tgaat 245

<210> 22126
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953051H1
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 gctgaattca gctatggaga tgctgtggtc actaagaata ctcttgtaag tgatcatcag 60
 tcacaacaac gtctaataac tacagagccc aacagggttc gtggaagggc tgattctaga 120
 catggtcaag cgaagagaat ttagttcatg gagatgctat ggctactaaa aatcccattg 180
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gaaa

244

<210> 22127
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700953052H1

<400> 22127

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gatgattgat aggatgaggt ctgctgggtt tggtagtctt ctagataaga aggcttacta 180
tcagctcctc aagattttgt gtggcattga gagggttgat catgctttga gtgttctgct 240
atg 243

<210> 22128
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700953053H1

<400> 22128

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gagtggaggg tgatgaagat gaagatgact ctgatgatat ccagaatgag ttcaattatg 120
cccaaggaaa agccaaggct aggcgccagt gggaagatga cgctgacctg gcgtcgtctt 180
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agattccgg 249

<210> 22129
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700953054H1

<400> 22129

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 agttgaagaa acagcagagc aacattttct taaacacaat gatgctgggt cctggataca 180
 agattccgct ttgatgctat caatgagtaa agaggttcct tggatatctgg atgatggact 240
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<210> 22130
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953055H1

<400> 22130

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 atggttctcg cggagttagg agggagcatt tcgcgtgctc ttcagcagat gagcaatgcg 180
 acgatcatcg acgagaaagt cctcaacgat tggcctcaag gacatcacgc gcgcgctctc 240
 caatccg 247

<210> 22131
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953056H1

<400> 22131

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 atatgaacca tcaaaagaga tgctaaaaaa ggtcagacgg cgatgcacac gagaaatgga 120
 caatgaaagt gatgccagag tgcaatcact ggctaattcc ttgaattacc aattgggttc 180
 agaaaaccga cgggacattc tgtttaatct taattacagt atgggttatg cttgaatgaa 240
 ta 242

<210> 22132
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953057H1

<400> 22132

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gccactggta ttctgttagg aatggctagt cgcgtcgtca acacttttggtg gacaagcact 120
acggtgcaaa agaatatgac atgatgggag tgtatcttca gagatcatgg atagttttat 180
tcttaactgc aatctgtctt cttccctgt tgatcttcag aagccaatt ttgactatct 240
taggccaaga tgg 253

<210> 22133

<211> 152

<212> DNA

<213> Glycine max

<223> Clone ID: 700953059H1

<400> 22133

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ggctactctt ctggttactc tgttggtaat ac 152

<210> 22134

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700953064H1

<400> 22134

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gctgaggact tgaacttggtg ctttaagaag cttatgatgg tggccgggag tgggaacagt 120
gagaaagggg tgaacttgaa gggtgggggtg atcaccgagt ggaaggatat tcctgtggag 180
cttctgatgc aaattctgtc ccttgtggat gatcagacgg tgatcatagc ttctggagtt 240
ttcgtggatg 250

<210> 22135

<211> 246

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700953066H1
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 ctacgccgaa gaatcccaat acccactttc tctcagggtc ctcattgacg atggacaaat 180
 gcttcttgaa aatcagctcc agtgaacact ttccagggtc ctcttttaag actaagcaac 240
 acgtaa 246

<210> 22136
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953067H1
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 cccctcttgt ttcaccttcc aacacttaat tagagacgac ccactttcct tgcagatctt 180
 tttccaggga aaagtttgga tgttttgtgg taagagttag atgttgagtg atagcggaaa 240
 gggt 244

<210> 22137
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953023H1
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 aattttggta gcatggcaat gccatgcgta cgatatgttc cctctccgaa tgaacactgg 120
 ctatggtgcc cgtactccgg aggtgacatg cgcaagttgg aggcttgctg tggaagcaca 180
 ccacatcttt ggctttgaga ccattcctgc agagtgcgtt gaagcaacaa aggaatac 238

<210> 22138
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700953069H1

<400> 22138

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tgggagagga gtactgcgac atcactcagg ttgcaggacc ttatggactt cctcctacc 120
ctgcgaggcg tgctcttttc gttgtatata agactgctat tccttatatt gcagaacgaa 180
ttagttctag aattgcttcg cgaggcattg tccttgctga ctatgagtct gctgggggtt 240
tggtg 245

<210> 22139
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952985H1

<400> 22139

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gctgcgacga cgtcgttctt tgcaacttcc agttcttggt cttgatgaat atgacaccag 120
tttgccctt tgtcaaagct gctcgccccg atgataacaa tgcttctaag aaatctggcg 180
aaaactctat gaaacatcag gctgagtctg agagtaaggt gaagaaagag gttaatgact 240
cagctagtac ct 252

<210> 22140
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700952986H1

<400> 22140

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tgcagaagct tctccgaaa ccatttgtgt caccggcgct ggtggcttca tcgccgcttg 120

gatggtcaaa ctctctcttgg aaaaaggcta cactgtccga ggaaccctca ggaatccaga 180
 tgatcccaag aactggcact tgaacgagtt tgaaggagcc tccgggaggt tgactctgca 240
 tagggt 246

<210> 22141
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952987H1

<400> 22141

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 gtccagagga caattcatgg aaaatggtac cagttccatt gacaggaagc tcaagtattg 180
 gtgttcgatt tgggatacta ggtggtaagt tgttgctatt ccgtctggaa tctgaaactg 240
 cttttcagac attggtg 257

<210> 22142
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952988H1

<400> 22142

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 tggaatcagt ggggctcccc aagacaataa tattatgctt tggaatgctg ttatctttgg 180
 accagatgac accccttggg atggaggtac gtttaggttg acacttcagt ttacagagga 240
 ttatcctaata a 251

<210> 22143
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952989H1

<400> 22143

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gtcttgcaag gtcaagaatt ctcgaccttg agaggcaatt ttgctgaaag taatg 115

<210> 22144

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<212> DNA

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<223> Clone ID: 700952990H1

<400> 22144

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tacgagactc agtatgcacc catagagtac ttcaaaacca agatttccat gaagaacata 120

tagtatgaga tgctcagtag tacctctagc tatacgttgg agttgtaatg ttatgtagca 180

ttacattaga tgcagtgcgt aggtctgtag gtgcagaaag ttattagggg aagaaaggaa 240

caaaagtaag gtacgt 256

<210> 22145

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700952991H1

<400> 22145

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aatggagtt gaagatgcca aatatacctgg tggaggctat ggtggggggt acccaggcaa 180

tggcggtggt ggctatacctg gccgtggtgg tggctaccct ggctcgtggtg gtggctatcc 240

aggtcgcggt ggtgg 255

<210> 22146

<211> 102

<212> DNA

<213> Glycine max

<223> Clone ID: 700952992H1

003314-03200

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<223> Clone ID: 700952993H1

<210>	22148
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<223> Clone ID: 700952994H1

<210>	22149
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<212>	DNA
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9285

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 ggaaagct 128

<210> 22150
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953002H1

<400> 22150
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 gataaaagag gaaagcaatg attccaatta tgataggaaa gctgaaataa aagcatttga 180
 tgattcaaaa actggtgtta aaggctctgt agattctggt gtgaaaaaga tcccacgcat 240
 gttactttcc ggc 253

<210> 22151
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953003H1

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 cgacaacggt acattagcta tgggtgcccta aatgccaaaca atgtgccatg tggtaaccgt 120
 ggaagatcct actacaattg ccagcagagg ggtcgtgccca acccttaciaa tcgtgggttg 180
 accaaaatca cacattgtgc tagagacacc agctagatga acaagtcatg aagctggaga 240
 gggaatatat atg 253

<210> 22152
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700953004H1

<400> 22152

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tatctcaact cccacgcgaa ttgtcgaagc acaccggatt tgcttttgat tcacctggat 120
acgaatcctt ctttgccgca cagctcgggtg tatatgctgc acccattgca tgggatgtgg 180
caagaagagc tagcatgaga tcacgggtcaa agactgggca gcaaaaataa tctggagtag 240
gacattgtac 250

<210> 22153

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700953005H1

<400> 22153

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acaattcgtc cactgttttg ttttttttgt tttttggata acgagaattc tagatctctt 180
gaacgcaccg tttttggcgg ttatagagga tcgggacgcg aggcgggatga cggcgaggag 240
gtttcggatg tggt 254

<210> 22154

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700953006H1

<400> 22154

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ttgtctgagc aaggtacaga aagcttgac ggtggagcaa gtactgtgca acctggagct 180
tctgctgttt tatcatggag aagctcatca aagaattctg accaatgttt gcaagttcga 240
cctaatttga t 251

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 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953007H1
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 acgttcaggt ttcaccagta ccaggtgggt gggagggctc ttcccacgga agcagatcag 120
 caccccaaga tctaccgaat gaagctctgg gccaccaacg aggttcgcgc caagtccaag 180
 ttctgggtatt ttctgaggaa actgaaaaag gtgaagaaga gcaatggcca agtgcttgcc 240
 atcaagagat tttt 254

<210> 22156
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953009H1
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 ggttgcttct ctccatacaa tgggttccag agcaaggctt ctccatggcc aaactaccac 120
 caccaccacc agggttaaca caacaaagcc tcttcttcat catttcttca gtgccctaag 180
 gttgtggtag agttgcagaa tgggtggtgat ggcaaagtat tctctccctc ttctgcaaatt 240
 acagctgtgt cccagccc 258

<210> 22157
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953010H1
 <400> 22157
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 accaagaatg acactatgga gaatcgggtt cctggatttg gcactacaat gaacattctc 120

tatggggatg gtgtttgtgg acaaggtgat gtggactcaa tgaacaatat tgtttcccat 180
 tacctgtatt atcttgacct tcttgggtgtt ggtcgagaac aggctgggcc ccatgacatc 240
 cttacatgcg ctgag 255

<210> 22158
 <211> 199
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953012H1
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 aacacaacaa tgggagacga gaagaagggc aagcctgctg cttccggcgt gtggtccacc 180
 atcaagcctt tcgtcaatg 199

<210> 22159
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953013H1
 <400> 22159

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 ttgacgggat cgtcggcacc ggcttagact tcttaggcag tgcactcgat acagttactt 180
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 gaaagttgga aagg 254

<210> 22160
 <211> 200
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700953014H1
 <400> 22160

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ccaccatcat gaccacacca accggaaatc ccttttggac accctatact gctccgatgc 120
agaggaggac tacggtcatt tcctaaacaa ctctccctc gcgtccctc ctttcttgc 180
ccaaagcgac atgttttcgg 200

<210> 22161
<211> 89
<212> DNA
<213> Glycine max
<223> Clone ID: 700953016H1
<400> 22161

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<210> 22162
<211> 251
<212> DNA
<213> Glycine max
<223> Clone ID: 700953018H1
<400> 22162

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gttaggttct tctgcaactg ctgccttctc attctccaa ccatgctctc ttcccaaact 180
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tcggctggta g 251

<210> 22163
<211> 255
<212> DNA
<213> Glycine max
<223> Clone ID: 700953020H1
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003300 "E.F.F.E.560

aagtgctgca actaatcaga tccaagacc ttggcctacc ttgccatata gaaaaaaaaa 120
aagcaaaaaa aaagccaagg tttggagcca acaaaaataa acacaaagca caagtcatgg 180
aaagaataat ggttgaagt gcaacaaagg ttgctttcac cctcttgcc actttcgcca 240
ttgtcatcca tgcct 255

<210> 22164
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700952984H1

<400> 22164

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ggtttcaaca caaacatgat tagctacttg acaacacagc ttcacatgcc attgaccaa 180
gcagctaaca cctcactaa ctttggtgga actgcaagct tgacaccgtt gcttggtgct 240
ttcattgctg attcttat 258

<210> 22165
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700953021H1

<400> 22165

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gcccccaaga aagacgacgg acccatcct gtcgtttaca aactcgactt gcattgagag 180
ggatgctgca agaagatcaa acgcacatgt cggcacttcc aagggtgtgga aaccgttaag 240
gcaatctatc gtc 253

<210> 22166
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700953022H1

<400> 22166

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gctaatacac tgtatttaca tacactatct gtgttttagt ggtcttgct tgactactga 120
tacttattag aaggcaaata taggagtcac tcacttttgt gcctgattgt gcacatagtt 180
ggttatcgtg tccaagtgcg cgactagatt agacatgcta acatttgctg agt 233

<210> 22167

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700952949H1

<400> 22167

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tttttttgtt gaggtgaaag tgaaatggtt ggcaaggata atctgagggc tgaggacttg 120
aacttgtgct ttaagaagct tatgatggtg gccgggagtg ggaacagtga gaaaggggtg 180
aacttgaagg ttggggtgat caccgagtg aaggatattc ctgtggagct tctgatgcaa 240
attctgtccc ttgtggatga t 261

<210> 22168

<211> 94

<212> DNA

<213> Glycine max

<223> Clone ID: 700952950H1

<400> 22168

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<210> 22169

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<212> DNA

<213> Glycine max

<223> Clone ID: 700952952H1

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<223> Clone ID: 700952960H1

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gaagaagaag	catgcttctg	gaacttataa	aagcctagta	ttttatctag	aggcatgtga	180
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9297

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<223> Clone ID: 700952973H1

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<223> Clone ID: 700952974H1

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<213> Glycine max

<223> Clone ID: 700952975H1

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tctgaaaaca aaatctagag cagtgtctgaa tgatataatt aacaaaaatg atgttacata 120

acattatgaa gcagtacagg catgacttca aaaagattcc aatactacga aagcttctta 180

aggtcttgga gttcctagaa gcaggcaaga ttttgacata tgaacatatt aatgggtggtc 240

ctccttgctg tggaatg 257

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<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700952977H1

<400> 22190

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tggcacttta gtttgacaag atcacatata tatacactgc ttgtggttca ctgttggtat 180
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<210> 22191

<211> 101

<212> DNA

<213> Glycine max

<223> Clone ID: 700952979H1

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<210> 22192

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700952947H1

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tttgctaga accagaacct gcccttactc tataacattt accaaccggg aattcttctc 180
ggacgttttg tgttttgatt ctagacactt ggaagaagag tgagttgttt tccttgtttt 240
gcaaagacta aga 253

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<211> 239

<212> DNA

<213> Glycine max

<400>	22193
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<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700952981H1

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aacaggagat gaaggagaaa tcagaaaagga ttgtcgctac ctcaatgcc a attagatata	180
taatataagc ttgcatttgt gcatgataat atgtataatt agcgtaagat tataatgcac	240
gagtgtgtca aaataaagag gg	262

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<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700952982H1

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gaacttatca	aaattttctt	caacatcacc	attacaaaaa	ttggtgataa	actcaaagaa	180
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 <223> Clone ID: 700952983H1

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 ccatgctcgt tccgtcacia cccaaccatg gaag 94

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 <212> DNA
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 <223> Clone ID: 700952905H1

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 ggctcatcac gatgcccttc atctttggta atgaggtttt tgagaagctg gctgtggtag 120
 gtttcaacac aaacgtgatt agctacttga caacacagct tcgcatgccca ttgaccaaag 180
 cagctaacgc cctcactaac tttgggtggaa ctgcaagctt gacaccattg cttgggtgctt 240
 tcattgctga ttcttatg 258

<210> 22198
 <211> 91
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952909H1

 <400> 22198

 tgagtagcag aagagaagag aagatgggat ctgtatgtat ctgagactgt gcatcacccc 60
 attccctggt gcggttgatt cttgacgaca g 91

<210> 22199
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 <223> Clone ID: 700952911H1

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 aatagggagt gttggcgaag tagatctgaa aggtgaagaa tttgagtagg taaaacccaa 180
 agttttcaac tttgaatcaa agggtcacatca aatgcttttaa cgttttgggtt ttttctgcct 240
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<210> 22200

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700952913H1

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 ttctcttcga ctgcgacggg gtgatttggg agggcgacga actcatcgat ggtgttccgc 180
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 ggaagtcgcg ttctcag 257

<210> 22201

<211> 257

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<213> Glycine max

<223> Clone ID: 700952914H1

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 tttgtattat ttttttttta attttaattg aaggagagcta gtggcaaadc atggctctaa 180
 tagatgagtt caagattaat gagtttatgg tactcttcgc tgtcttgatt tgggtatgat 240
 tgtgtgtgtc tgtgaaa 257

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 <223> Clone ID: 700952915H1

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 gcaattagtg aagcaagaaa cggagatcga acgcaagaca aagactatgt tccagttgga 180
 cctatgtaca acaatgctaa tgcatttcac aggagttact tagaaatgga gaaacagttc 240
 aaagtatttg tctacgaag 259

<210> 22203
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 <223> Clone ID: 700952916H1

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 attgtggctg tgtccagttg caaggggggt gtgggaaaat caactgtagc agtaaacctt 120
 gcttacactt tggctgatat ggggtgctaga gttggtatat ttgatgctga tgtttatggt 180
 ccaagcttac cgactatggg ctctcctgaa aaccgactgt tagtaatgaa tccagagaag 240
 aagaccataa ttcctactg 259

<210> 22204
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 <212> DNA
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 <223> Clone ID: 700952918H1

 <400> 22204

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 gttggcagtg ctgtgggtcaa gcatcaggat ttcatt 96

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<223> Clone ID: 700952919H1

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<223> Clone ID: 700952920H1

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 tacacgaacc ggttctcggg cccaccgagg cccaattccg cttcctcaac gggcctgtcc 180
 atgataaccg tcgaggacga tatcgagtct cttttctccg agacgaactc ggaggaggag 240
 cggcgcgtga ggaagcaacc ta 262

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<223> Clone ID: 700952921H1

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<223> Clone ID: 700952923H1

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gtcgtttcta ttgatgacta cgaagatggt cctgcctatg atgagtttagc cttgaaaaag 180
gccgttgcaa atcagcccgt gagcgttgct attgaaggag ggggcaggga atttcaatta 240
tatgtatctg gtgtattca 259

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<223> Clone ID: 700952924H1

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<213> Glycine max

<223> Clone ID: 700952925H1

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gaagcgctgg caagaaagag tacgtaatag tgg 93

<210> 22211
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952926H1

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 attcccatag tgaa 254

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<223> Clone ID: 700952931H1

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<223> Clone ID: 700952932H1

<400> 22216

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 ccgtatttaa ccgccttaac cacctacttc agctacgggt tgctcttcgc ctttggccag 180
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<223> Clone ID: 700952933H1

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<223> Clone ID: 700952935H1

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 acacgggcag aagatctcct actttctgcg accgctgtgg gaaaaagcac ccaagccttt 180

caatgtcatc cctcattact ataacgaaaa catcaccatg gagaatctct gcagacttca 240
 tggctgggga g 251

<210> 22221
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 <212> DNA
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<223> Clone ID: 700952938H1

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 gggcccatca gccccgaag tcgggagggt cagcatgagg aagaccgtca ccaagcaggc 180
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 cgagcccccg tcctacctc 259

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<223> Clone ID: 700952939H1

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 aattgtatga tttgactggt gtgcctcccg aaagacaaaa aattatggtc aagggtggtc 180
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<210> 22223
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952942H1

<400> 22223

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<210> 22224
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700952943H1

<400> 22224

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aaaatcatga agctgaagac atatgcgggt cttagtagtca ttgcaactct ggctattata 120
tatcatgcat ttaacagtag gggccagttt tatccggcaa tgggtgtatct gtcaacttcc 180
aagatcagtt tgggtgcttct tctcaacatg ggtttggtct ttatgtgtat tctatggcaa 240
ttaaccaaga agttggt 257

<210> 22225
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700952902H1

<400> 22225

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acaaacgctg tctctcatatc tcgtagtgac acacacagct tagtttcggt gtattgtatg 120
tgctctttct caattctcat catatatctg ttcaagtacc attatctttc tatgttgagt 180
gtcggcattt tttgagtttc tcaactaccac ttgttctttt tttctgatac atgcatatat 240
atacgtccag gtatacagtc ta 262

<210> 22226
<211> 205
<212> DNA
<213> Glycine max

<223> Clone ID: 700952945H1

<400> 22226

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 aagcattcag ggtttggaca tcaccaaatt gttgggagaa tatcccgaat gtgcacagta 180
 gaccaaatac ctaactggaa ccaag 205

<210> 22227
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952946H1

<400> 22227

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 ttgtggacaa cagttattaa cccgttgact aaatatgctt tgttgatgaa cccactggca 180
 aggagtctag aggagttgct gccagataga atttcacct catattggtg cttcattctt 240
 cttaggacaa cacttggt 258

<210> 22228
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952865H1

<400> 22228

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 ttctaaciaa tttgttgagg cacattacct tggacaacia tgagaacaaa cctgtcacta 180
 acagtaggga tacacaagag gttatgttgg agcctgggct gaaattaatt aaaattttca 240
 ag 242

<210> 22229
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 <212> DNA
 <213> Glycine max

0952946H1-033300

<223> Clone ID: 700952866H1

<400> 22229

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cagtaagtat cctcccgggg agtcttctaa tcctcaatca tcagaaaaag atgatcacia 180
taatgataca aatcttgctg aaggatctag taaaccagag ctgagtaaca agaatactcc 240
aca 243

<210> 22230

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700952867H1

<400> 22230

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cctcgtgtcc tttttcttct ttgtctcca aaaatctcac acacacaggt atctagcaaa 180
tggtgttctca ccaacaagaa ccatggctat tggagaatgg gaaaccaagg gttttga 237

<210> 22231

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700952868H1

<400> 22231

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gcaatggagg cttgttctgc tcaaagcttt gtttgtgtgc ctctctatga cacccttggg 180
cctggtgctg taaattttat catagatcat gcagaagtag attttgtgtt cgtccaa 237

<210> 22232

<211> 226

<212> DNA
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 <223> Clone ID: 700952869H1
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 tttccaccgc actgatgagg agctgggttt gcagtacttg aagcgcaagg tcttctcctg 180
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<210> 22233
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952871H1
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 agttatctgc atataatcca gtcattagtt cattgaaaga ggattttgct tctttagaac 180
 aactgacct agttcggata aacaaaatgc ctgttgaatg caatcaagaa caaaaggatg 240
 c 241

<210> 22234
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952872H1
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 acacgttggg gtgcattctg ttggtgatta tacagccatt gagctaattg gcagagaccg 180
 cccagggtctc ttgtctgaga tttcggctgt tcttgccaac ctccatttta atgtttttgc 240
 ag 242

<210> 22235
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952873H1
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 accgatcccg gccacaagtg caagacggcg ctcaactcca tccaccacaa ccggagccgc 180
 ctcttctccg gcggaccctg tctgatctcc ggccgctgtc cggcgtcgtt ggacct 236

<210> 22236
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952874H1
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 tgggaaaagc attcgacatc ggagccgttc cgttcaacgc cgaggggtgg ggtccgccgg 120
 acagcaccac caccggcagc aacatcaacc tccctctgaa cgtccccttc gcccccttct 180
 cccgctccga caaattgggc cgcacgcgcg actggactcg caacttcaac aacct 235

<210> 22237
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952877H1
 <400> 22237
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 tgagatagac ttttgccctca tagcctcctc ccattcattt tgttcacttc caaaagattt 120
 ttaggtgcaa aaaagagttt ttttttttat attttttttg gggggcggcg gggggtaagg 180
 aatgactgtg acaaagaaaa ttttcacaat ttacgggttaa gatgttaccg tag 233

<210> 22238
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 <212> DNA
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<223> Clone ID: 700952878H1

<400> 22238

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 atgatgatga tgaagatgtg gagatggcac tcttccataa ccagatctct gaatcaagat 180
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<210> 22239
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<223> Clone ID: 700952879H1

<400> 22239

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 tttgacatgt ccaagagcaa attatttaatt tcagaactgg aggaatgaat ttttaatttga 180
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<210> 22240
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 <212> DNA
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<223> Clone ID: 700952880H1

<400> 22240

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 ctctccacct ctctcgccgc aaacgcctct ctctccctcc aaccacgtcc ctctctact 180
 ctccccgttc ccgcttcgat tgcgctagtc tcgagttaca tccgttgatt attccg 236

<210> 22241
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952881H1

<400> 22241

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caatggattg gccggagctg gaggagggat cattgctcag ctcatcacat acccacttca 120
aactgtaaac actcgccaac aaaccgagcg tgatccgaag aaagacacga ggagtcaagg 180
ggccctcgaa cgaatgtgcc aggttgtaaa agaagagggg tggg 224

<210> 22242
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<213> Glycine max

<223> Clone ID: 700952883H1

<400> 22242

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ccgtcttgcc catggagata agaaggctgt tgctcgtcga tgttttgcct cagaagctga 180
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<210> 22243
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<212> DNA
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<223> Clone ID: 700952884H1

<400> 22243

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caagttgtct acaaggacta gccaggggtg ttacaaaact tcaagtttgg aggtagtttc 120
tgtgggatgg aataggagaa cctttccctc tttgagatcc tcccgtttct gcatttgtgc 180
agtcaaggca caaccggaga cagtgcagaa 210

<210> 22244
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 <212> DNA
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 <223> Clone ID: 700952885H1

 <400> 22244

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 ttgcagggtgc atggccaata cttgggtcacc taccactatt gagtggttca gagacacctg 180
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<210> 22245
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 <212> DNA
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 <223> Clone ID: 700952887H1

 <400> 22245

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 caaatgatg ctcagaatca agagggttcc cactgtcgtt tccaactacc aaaaagacga 120
 cgctgcagac tctctcgtc ccgtcggagg ttgtggcgg aattgcctca aagcttggtg 180
 ccttcagat gcaaagctgc ctttgtatgc tttcaagaag gctaattgaa aggattt 237

<210> 22246
 <211> 236
 <212> DNA
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 <223> Clone ID: 700952888H1

 <400> 22246

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 actcgcgagt attacttaatt aatatacctt aacctcgcaa aatatcaaac ttatcttaca 120
 acatttcttt tcacatctat caaagaacat aattgatgta taaaatattt agaagatcat 180
 tatagtgttg cgggtatggt taagtgtgaa gtatcttttc aataaaaaca attatt 236

<210> 22247
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952889H1

<400> 22247

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ggagcaggac cctgacagca aggttgccctg tgaaacctgc accaagacca acatggtgat 120
ggttttcggg gagatcacia ccaaggccaa cgtggactat gagaagattg tgcgtgacac 180
atgcaggaac attggttttg tctctgatga tgttggtctt gatgctg 227

<210> 22248
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<212> DNA
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<223> Clone ID: 700952890H1

<400> 22248

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actcccaagt ctgttgaaga tgacttcttt actacagcca ctgatgcatt cagccatgct 180
catgttgatg ccgagtccaa tgtaattgat ttcagttacc ttgaaccacc t 231

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<212> DNA
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<223> Clone ID: 700952893H1

<400> 22249

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gtgtgggtccg ttctgcttgc atccattttc tcaactcttg gggttaga 228

<210> 22250
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 <213> Glycine max
 <223> Clone ID: 700952894H1
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 accaaagcaa tggccaagat tcgtgtgggc aatctccca aagcaagctt catgaagaat 180
 ttgcaaactt acttaagccc gttagcatag gcaataatca cttacaaca 229

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 <212> DNA
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 atatgaaagg cagcagaagg tatttgagga tgatattgaa agattgacca cagaagcaca 120
 acattgcata ttagaggccc aacagaatta ttctgattcg ttggagaagg aaagattgaa 180
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<210> 22252
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952896H1
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 ctttgtgttt ttctgtagaa acaaagatct gatcatgacg atgatgagca gcagcaacaa 180
 caacgttgga gaatttgag acaccactct gaccaagggtt ttgttgggg gc 232

<210> 22253
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952901H1

<400> 22253

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 tactctccct aaagttctaa ttgacgggtcc gtacggagca ccagcccaag actacaagca 180
 atatgaggtg gttttgctag tggggctagg aattggagcc accccaatga ttagtatact 240
 taaggacata gtgaataaca tg 262

<210> 22254
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952864H1

<400> 22254

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 aatatcacc aattcgctga aaaggggatt tatcaatcgt tcactatctt cttgaatgat 120
 tatcactctc caagggtaat tttttagagt agagacaagt cagtcttcta tgttcggtgg 180
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<210> 22255
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952830H1

<400> 22255

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 atcatcaccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggcctgaag 120
 aggctactca ccccgacacg ttgaaggcgg ggttggtga gttcatctcc accttgatct 180

tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gtcaccgac aacggcgccg 240
ccactc 246

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<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700952831H1

<400> 22256

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tggagtacta actcccattt cttatttatt attgaattaa ccgatcaact tgctttgtta 180
tcgaacattt ctttttgatt tcaaaaattt tccggaaaaa ctttgaatct atttttatat 240
gcgaatc 247

<210> 22257
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700952832H1

<400> 22257

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ccttcgaggg tgaagaagga gttcgaggtt gatccaatga gaggctgcaa ggagaagggt 180
agaagcagag agaagaaggg tgtgggtttg tccagatcgg gcttgtaag gccacagatg 240
tcagatc 247

<210> 22258
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700952833H1

<400> 22258

0952831-03200

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 tcccaggggt tgaggcaaag gcaagggtt tctttgtatt tggagactca ctgggtgaca 180
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 actatccaa 249

<210> 22259
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952834H1

<400> 22259

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 agtatcagga tggcatagaa tgagttattc ttatagcgat ggatcagtca tctcacaact 180
 attggttgag tacataaaaa aagttcatgg catcgttggg aatgcaatca ccgaaggaaa 240
 gtacatcgta tttggaa 257

<210> 22260
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952835H1

<400> 22260

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 tattgcaata ctgggtcata gaaatgttca tcagaggcaa caaatcagaa aggtttatga 180
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 gagagctgt 249

<210> 22261
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<212> DNA
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 <223> Clone ID: 700952836H1
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 atgcacaaga cacaacaacc cttgtgcctg caatcataac ttttggtgat tctgctgtgg 180
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 gggactt 247

<210> 22262
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952839H1
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 tccttccac tctcctcaat tccattcatt tcaactcaac aatctctcag atccgtcaaa 180
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 ctggtttt 248

<210> 22263
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952841H1
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 taggttcac atcatcatca aattgggacg ttgttctcag gaaggccaa aaagtcagt 180
 cagcgaaaac ggacgatccg aagaataccc ttttcatctc tctctacaat aatcatcctc 240

ttcctc

246

<210> 22264
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700952842H1

<400> 22264

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ttctttccag cgatgacaaa gattgttggc acacttggcc caaagtcacg atcggttgac 180
gtgatttccc aatgtcttga ggcaggaatg tctgtggcaa ggtttgattt ttcattgggg 240
gatcctgaa 249

<210> 22265
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700952843H1

<400> 22265

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agcttatgat ggtggccggg agtggaaca gtgagaaagg ggtgaacttg aaggttgggg 180
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 tcttcttcaa ttttattcga ttcgcttgct ggaaaattct ttgagtgagg gagaggatgt 180
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 gaaattgaag ccagaaaaat ccccatataa ccgcctccgt atccactcct ctctctccaa 180
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 gc 242

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 <223> Clone ID: 700952853H1

 <400> 22272

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 aacctagccc taaacatcgc agaaaagggg ttcccgatct ccgtgtacaa ccgcacggcc 180
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 <223> Clone ID: 700952854H1

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 <223> Clone ID: 700952855H1

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ccttaactaa gattttgtac aatcttctcg tcaactgcac catcaaagga acctatgctt 180
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<223> Clone ID: 700952829H1

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<223> Clone ID: 700952791H1

<400> 22285

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ttatatatct tcacatactt aataatatat aataatgggt gttgtacgga cgtgggagag 180
caggagggcg gactggaggc ctttcgccgg agcctgggtg cagccgccgg catccagcgg 240
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<210> 22286
<211> 264

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<212> DNA
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 <223> Clone ID: 700952792H1

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 <223> Clone ID: 700952793H1

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262

<210> 22289

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<212> DNA

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tctctctcca aactatgatg ggcaggctcc agctgcgagc tccgataaac aacccttgg 180

tcacacagtc ctcgaggac tttttattca acgacctcgg cgacgacgac gacgacggcg 240

gtgacaacga ggacagcgag aaag 264

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<212> DNA

<213> Glycine max

<223> Clone ID: 700952796H1

<400> 22290

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acaagatctg aagccaatgc aacttactga tgaagcgttt ccagggtggc ctcaagactt 180

gtccttgctt agatccttta ggaaccatgt tgccacacgc ctatggatag gagaggaccg 240

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<223> Clone ID: 700952802H1

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acagtactta ttgaccatca ttgtgttgtt gcttctaata gatattgggtg gtgacaaaat 180
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<211> 250

<212> DNA

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<223> Clone ID: 700952810H1

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atgtgttga tatcaacagc atcaccagtg ttaaggggtg cattggaacc ggcattaaca 180
tcattggagg tgctgctgac accgttactg ctttggcgtc ccacatctcc atccagctca 240
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<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700952814H1

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acattacaag cctaaagtat ctatcgggat acttgatgtg actcttaaac aaaagggtctg 180
aaggttctct gctagatcaa gatcataatt agctgtgata cttagtcata acctgttttc 240
ggggaca 247

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<210> 22297
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<212> DNA
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<223> Clone ID: 700952816H1

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caagagagga ttggcaattg aagatccctc tgcaccccat ggccttcgcc ttgtgataga 180
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tgaatatg 248

<210> 22298
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<223> Clone ID: 700952817H1

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gacacagact ctctgagatc ttcttcccag atgatccact ccacagggtc aagaaccaa 180
catgcctcat caagctcctc cttgcacttc aatacttttt ccccattttc caatgggccc 240
ctctctacaa ccttt 255

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<223> Clone ID: 700952818H1

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 <223> Clone ID: 700952785H1

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 <223> Clone ID: 700952752H1

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 gtcagtcttt ggtcaatgat taaggataat atagggaagg atctaacaaa agtttgctt 180

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269

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<212> DNA
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<223> Clone ID: 700952766H1

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<223> Clone ID: 700952767H1

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<212> DNA
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<223> Clone ID: 700952768H1

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<223> Clone ID: 700952780H1

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 aacactctcg ctgctccgct tegtctcttt tctcctccgt cgctttttcc gcaatgccat 180
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<223> Clone ID: 700952784H1

<210> 22332
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 <223> Clone ID: 700952721H1

 <400> 22332

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 acaatctgtg gcaccgacag catccaagtt tccgttgagc ttttggaag ccacggtggc 180
 ttcaacggtg gcgctggttt ttgcggtggg tcttctcggc gtgtacctca ccatgcccg 240
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 <223> Clone ID: 700952722H1

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 gcgtcggcga gaaccagctc cgatggggtt tcatccgcaa ggtctacggc atcctctccg 180
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 <223> Clone ID: 700952724H1

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 atccaaggac gcggacgttc ttcttctcgt cagcagctca atgctgttga gcgtgctgtt 180

caagtctctgg agcggttagg ggggtgtacct gatccgacaa aatcaaactt gatcgagggt 240
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<223> Clone ID: 700952725H1

<400> 22335

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aagacgagga tgaagttagg gatgcgggcg ttgaggacgt tggaaaatca tttttgctgt 180
cagtccaga taacgatttg acttccgagg gagaaaccaa aattgacagc cacagggaga 240
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<223> Clone ID: 700952726H1

<400> 22336

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ttgatggagt ttttctgttg aatttataga acatactttg tgtcgaagct ataaaacagc 180
aggtttcaca gttttaccta agatcatcca acagtcatca tggttaaaca taacctccac 240
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<212> DNA
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<223> Clone ID: 700952727H1

<400> 22337

<212> DNA
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 <223> Clone ID: 700952730H1
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 tatcgaggaa aattggagaa aggtgctgtt atgaaagcta tctgtgctgg ttttgaagaa 180
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952731H1
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 ctttctttct ttctctgtgt gtcgtaatgg ctctcccaga ctcttcttcc cgtcgcaact 180
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<210> 22342
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952732H1
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 tccggcacgc cactggcggg aacactacca ccaacagtgg tggcatcccc tcccaccaca 180
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272

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<212> DNA
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<223> Clone ID: 700952733H1

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tggaacagt tgaaaacaaa gtggcgaacg ggtgcgtaat gcgtgggaat ctgccgaaca 180
gttcggggcca aatcctgaag aaagctaaaa agcgcgtgttt gatgagcctg cgtagtatta 240
ggtagtgtgt caggtaaagg ctgaccaagc caa 273

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<212> DNA
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<223> Clone ID: 700952734H1

<400> 22344

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catggcgcca tcagattctc tctctcagct ccctcggcta ccgcgccgtc gctcccgatc 180
tccgtggcta cggtgacacc gaagcaccac cttcaatcag cagctacaac tgcttccaca 240
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<210> 22345
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 700952737H1

<400> 22345

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<223> Clone ID: 700952743H1

<400> 22348

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ttcattttcc ccaacttggg cttgttgaat ttttattggg gttgtaaatt ccttgttggt 240
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<210> 22349

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700952746H1

<400> 22349

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ggatcagaat cagagtcaga aggagaagga gaagaagaag aagggcacga agaagcgcg 180
gttccgaaga agaagaaga gaaaacgcag tctccatggg actttgctaa atacacggaa 240
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<210> 22350

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700952747H1

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agctgtttgg ccaaactc ccattccac tgcactgcga gagcttctaa agcctctccc 180
tgcacgtggt gaaatcgatg aactccctaa gcaaattgat gatacacagt acccaaaaac 240
attcttctat aaagaagacc ttcattccagg 270

095113-03200

<210> 22351
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<212> DNA
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<223> Clone ID: 700952749H1

<400> 22351

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atcagtgaag aatcttagat tctgtgggaa aagctttctca atctttgacg aagataaaca 120
acaatgtctt cacttgccgc tgctagagca gacaactttt actatcccc agaatgggaa 180
ccgaatcagg gtctgctgaa caagtttcat ggtcaacatg ccttgcgaga gagggcgaga 240
aaattagatc aggggtatcct gattataag 269

<210> 22352
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952750H1

<400> 22352

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tccatgcgat tcaagaatga cattgcctgt aatgaagttt agtgggtcaaa tttcttatag 120
caggactttt gatgctgtag agaaagctgc aacaaagctc ttacaaattc tccaagaaaa 180
aacgaccgac atgatgcaaa ctgcaattgg atttgacatt gagtggaaac ccaccttcag 240
aaaaggtggt cctccccgaa aggtagcagt g 271

<210> 22353
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952719H1

<400> 22353

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tctacgttaa ggccggtgtc tatgacgagt acatcacctg tcccaagact gcagtcaaca 180
 ttctcatgta cggatgatggc cctgctaaga ccatcatcac cggtcgcaag aactacgtcg 240
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<210> 22354
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<223> Clone ID: 700952678H1

<400> 22354

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 gtgccctttg tactggagag aagggtcttg gctataaggg ctccaccttc catcgtgtca 180
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<210> 22355
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952679H1

<400> 22355

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 aagcttctga ttccaggacg acaacaacaa caacaacaac aaaaagtggg tccttttatt 180
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 tacttttggg tc 252

<210> 22356
 <211> 248
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<223> Clone ID: 700952680H1

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 gtggggcccg tctcggtctc ggcatggcgg cgtggcccag aaaaacaata tgaacaccac 180
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<210> 22357
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<210> 22358
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 tagttataat actctttctc gccgttaaga atttggaaat atcttcattt accatggatt 180
 ggtgtcaaaa tcaaacgga agtttttaaa gtacagatgc actatgtatt gcggcagaag 240
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<210> 22359
<211> 215
<212> DNA
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<223> Clone ID: 700952686H1

<400> 22359

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<223> Clone ID: 700952688H1

<400> 22360

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attcaggcaa cagacccaac cgagatggat cttgaagtcc tcagagagcg tgcaaactga 180
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<210> 22361
<211> 241
<212> DNA
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<223> Clone ID: 700952690H1

<400> 22361

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ctggccatgg tggccactac attccggagg gatcatgcca aagttggagg cttggtgtgg 180
aatcacacaa cgtcattgac tggaacaccg ttcctcaaga ttgcgaggga tatattgggc 240
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<210> 22362
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 <212> DNA
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<223> Clone ID: 700952691H1

<400> 22362

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<223> Clone ID: 700952692H1

<400> 22363

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 ctcttcgggt acgacgatcc aaagctctgg ttccccaagc aaatacctcc caagccggaa 180
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<223> Clone ID: 700952693H1

<400> 22364

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 caacttagaa aacatattga tgccacgttg ggtagtggaa atctgaggga agcagtaaag 180

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cag 243

<210> 22365
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<223> Clone ID: 700952694H1

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<223> Clone ID: 700952695H1

<400> 22366

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<223> Clone ID: 700952696H1

<400> 22367

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<210> 22368

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700952701H1

<400> 22368

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caagtataa ccacttttat ttgcgagtac aggtaaaaga ttcaggatca ggaattaatc 180

cacaagatat cccgaagtta ttcactaagt ttgcacaaaa ccaatcatta acaagaaatc 240

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<400> 22369

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ttgattaata accaaatddd caaggatatt attcaccatg agatccccctt ttacagtttc 180

ttccagtgtc cttcgtgggt tccctctata tcaactttaaa tgagggttaa aatcatttta 240

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<210> 22370

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700952706H1

<400> 22370

<212> DNA
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 <213> Glycine max
 <223> Clone ID: 700952711H1
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<210> 22375
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952712H1
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 caagaagaag cgaaacaact tctcacgcgc tgtctcaatc ttggaatctc tgctctaaat 180
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273

<210> 22376
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700952713H1

<400> 22376

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<210> 22377
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952717H1

<400> 22377

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<223> Clone ID: 700952676H1

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 <213> Glycine max

 <223> Clone ID: 700952646H1

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 gtatcctcca cttggtaggt ttgctgttag ggacatgcgt caaactgttg ctgtgggagt 180
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<210> 22385
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 <212> DNA
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 <223> Clone ID: 700952647H1

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 tactactcgt ttctattcca agaatttgca aaacgtgcct cttccattg ctcttgaaac 180
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 agatcgcttg tgc 253

<210> 22386
 <211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952648H1

 <400> 22386

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 atatcaagat ttgaggaaaa ccaatacaa aatataggcc aggctttctt aagtgcctgg 180

actcaagcat gtgcatcacc aactgctgtc aaaattgtga ttccagctgg cacataccaa 240

atgggtgcag ttgatgtc 258

<210> 22387

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700952652H1

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catggctgtg agagacaact ccctctgttg gaggtagca gtcaaaaccc ttggaattta 180

cattcgaaaa ctgatcaaga tgtgtaatat caacaaatca accatgctcc gccctgtag 240

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<213> Glycine max

<223> Clone ID: 700952656H1

<400> 22388

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<210> 22389

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700952657H1

<400> 22389

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ccttgctgctc gtcgctgtca tggcgacgct gctaagaaaa ctgtgcgaat cggcgacgat 120

gaagcgatcc ggctctcact ctcacctca ccctctcccg tcctcggaac aagcacgcc 180

atcctcccct cttggcgctc tcgacctctt ccctgccgac atcctcatgc aaatcggtccg 240
cctcttaggc ccca 254

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<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700952659H1

<400> 22390

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ccctcatcgc cgagttcgtc gccacctctc tcttctctta cgtcaccatc ctcaccgtca 180
tcgggtacaa ccaccagaca gccaccgccg ccgagccctg cagcggcgtc ggcgtcctcg 240
gcatcgcttg g 251

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<223> Clone ID: 700952660H1

<400> 22391

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gcaactgggc cgtacatcgc cacctcttct acgacgacgc ttcaaacctc cgcgaaaggt 180
tcgaggagaa cagacacgtg gaagaccctg ataccattga cacgctcata acggatgctg 240
aagcttccta c 251

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<212> DNA
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<223> Clone ID: 700952661H1

<400> 22392

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253

<210> 22398
<211> 253
<212> DNA
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<223> Clone ID: 700952669H1

<400> 22398

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aatggaacca cggcaacaac tgaagctgct gctgcggaat taggagttag gtagagacgg 240
ttctctgaga ctg 253

<210> 22399
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700952671H1

<400> 22399

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tggtagtcgt agggaagatg attggacatg cccagctgt ggtaatgtta atttctctt 180
caggacaact tgtaacatgc gtaattgcac tcaaccaagg ccggctgac atcattctaa 240
atct 244

<210> 22400
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700952672H1

<400> 22400

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 <211> 228
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952593H1

 <400> 22406

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 gacttgcgag tgagacaaac ctgtggaatt gtatcaccgg tgcttcgtca aaatgcttgc 180
 gttcagctgc tgctccagta attgggtttt ctaaaaaaaaa aaagaaaa 228

<210> 22407
 <211> 232
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952594H1

 <400> 22407

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 aatcgggaaa gggttctata cttcttgcaa ctgatgttgc cagccgtggg ttggatattc 180
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<210> 22408
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 <212> DNA
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 <223> Clone ID: 700952595H1

 <400> 22408

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 gacgacggca aggactacca ggagccggcg cgggcgcggt tggttgacct gacggagttt 180
 acgtcatggt cgttttacag agcagggcta gcagagtttg tggccacttt tctgtttctc 240

002230" E T F E 50

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252

<210> 22409
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700952596H1

<400> 22409

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acgatgacca gcttctgaaa ttccaacttc gcccttcac ttccgtatac ttttttattt 180
ccggtgaggt gagttccatg cctaggtcca agagcagccg cagcggccag atcgagagtc 240
accggcagtg aaggtcg 257

<210> 22410
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700952601H1

<400> 22410

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cttggtttat gagctcgaag gagagacca ctcttggtgg cagcgggatt aagacccgca 120
aacgaaatat tgctgcgccg ctggaccctg cagcattctc ggatgcagtg gtccagattt 180
at ttggataa tgctggtgat ctggaactta ttgctaagag tattgaatct tcagacctta 240
acttttcaag atacggtgac accttttttg agg 273

<210> 22411
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700952602H1

<400> 22411

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 ctgtacggga tgcgtacaat gactggaagc atgcttacat tggcatcatt gcagcttttg 180
 gtggcattgc tgtgcttttc gaggcctaca catggattgt tgtgttgaag aggaggaact 240
 cagagaacaa gacagcacat ggtgtca 267

<210> 22412
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952609H1

<400> 22412

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 ttaaagacta taaggccaaa tatggcattg atgggtcagc ttttcctgaa taaaaccata 180
 gagtggtcag agtttcagga tgcagtgggt gaaggtcacc aaaatagaca aggggaacta 240
 aggcagagga cgccaaaaca a 261

<210> 22413
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952611H1

<400> 22413

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 aagcggtag attcgtgaat ctgagaaatg tcggattctt ctggggagga gaatgtttac 120
 atggcgaaat tggcggagca ggccgagcgt tacgaggaga tggttgagtt catggagaag 180
 gtagcaaaga ctgtggaggt tgaggagttg acggtggagg agagaaatct tctctctgtg 240
 gcttacaaga acgtga 256

<210> 22414
 <211> 243
 <212> DNA
 <213> Glycine max

<210> 22417
 <211> 269
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952617H1

 <400> 22417

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 aatccctcat cgtactgttc cgttatcaat tctcgtgttt aaggacacaa tttgcttgat 180
 acattttcaa gttttcatct acatgttttg attttgaaga ataaggagta tgcaattgac 240
 tactacagat atgggttttac tataagtgg 269

<210> 22418
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952618H1

 <400> 22418

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 cactgtcata gtaatttttg gtcatagaac tgtgtatcag aggcagcaaa tcagaagagt 180
 ttatgaggaa atttaccagg aggatcttgt gaagcgccta gagtctgaga tcaaaggaga 240
 ctttgagaca gccgtgtacc gatgga 266

<210> 22419
 <211> 265
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952619H1

 <400> 22419

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ccacctcccg atatatgagc ctggccttga tgatgtggtg aagcagtgc gggggaagaa 180
 tctcttcttc agcactgatg tagagaagca tattgccgag gctgacatta tctttgtctc 240
 ggtgaacacc ccaacgaaga ctgag 265

<210> 22420
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952621H1
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 gctttcaaag atcatttgaa ttgaagcaaa atggggagtc atatgagcaa gaagatccct 180
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 ga 242

<210> 22421
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 <213> Glycine max
 <223> Clone ID: 700952624H1
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 caacacattc tccagcgaca aggagcctgt cttgcgtgaa ctcatcagca atgcttctga 180
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<210> 22422
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952625H1
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<212> DNA
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<223> Clone ID: 700952629H1

<400> 22425

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 tgtaccgcat ctggtcgatg attaccaagt gatcttgtag gacaacatgg gtgctggtac 180
 cacgaaccca gactacttcg acttcgaacg ttactacacg atcgatgggt ttgtctatga 240
 cctactcgcc atct 254

<210> 22426
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952630H1

<400> 22426

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 tatgagttcc aaagcgtggc ttgcgttctt tctctggca ctggccatgg tcgctgaaac 180
 atatgccaca atagatgaat ttgcaactac gttagaagaa ttgacccta ttatctctga 240
 tggatgatgct gatctc 256

<210> 22427
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952631H1

<400> 22427

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 gtcagcggag tcagtttggc agctgaattc gccgatatgc cagcgcttag agggaaggat 180
 tatggcaaga caaaaatgcg ataccagac tacactgaaa ctgaatcagg actccaatat 240

aaggacttgc gacctggg

258

<210> 22428
<211> 165
<212> DNA
<213> Glycine max

<223> Clone ID: 700952632H1

<400> 22428

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tggcaacttt taggttatgg tacagtactt attgcagggc ggtag 165

<210> 22429
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700952591H1

<400> 22429

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attgacctaa aggttcccccc aagaccacct gggtatgcat ttgtagagtt tgaagatgct 180
caagatgctg aggatgcaat tcgtggctcg gatggctatg attttgatgg gcacgggttac 240
gggtgga 247

<210> 22430
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700952545H1

<400> 22430

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ccaggggccg tgggtgcgga aaatctgatg gtgtggccat gtggttcac aatgggtgtca 180

aaattgagag gccatttgtg tgtgctgtcg atgattgtca ggcaagttac agaagaaagg 240
accacctgac tcggcacctt ctac 264

<210> 22434
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700952556H1

<400> 22434

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actcttatta ttcatttaat gttcatatga tcatctgggt ctttcttgat tatggagtct 180
actaccttct gtcgataatg ggaacgaatc tcagcactcc caaaactgag aagtcttctg 240
atgatggtga a 251

<210> 22435
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700952557H1

<400> 22435

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gccacagaa tggtgaggac tggcttcaa aaagaaggat caagagtgat ttttggtggt 180
cctaaacctg ggaagaaaag aaaatttatg gaagtaagca agcattatgt tgcatatggg 240
acgc 244

<210> 22436
<211> 76
<212> DNA
<213> Glycine max

<223> Clone ID: 700952558H1

<400> 22436

<210> 22457
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952589H1

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 atgtagcacc caagaccgct ccaaccagac catcgccctg gacctcgatg gcaccctcct 180
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 acgagccct 249

<210> 22458
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952590H1

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 gcactttcta cagcaaaggg gaatggagca gctgttcagg tgcttaaaaa gcctactggt 180
 gcttttgggg cactcctggg gagttctgct tcaaagagga agcttggtcc tggtaagggc 240
 aaggaagaga 250

<210> 22459
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952514H1

 <400> 22459

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<212> DNA
<213> Glycine max

<223> Clone ID: 700952521H1

<400> 22465

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caccctcac acacttcaact tatagagaga gagaaagttc agtgcttttg tatagaatca 180
ccacccatt accctgcata caccatttaa tgcattgatt ccatctgggt cagtcacaat 240
aacagaag 248

<210> 22466
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700952522H1

<400> 22466

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gcgtttgtac ggaaccgacc cggccataat aaaagctctg gcgaacacgg ggatcggaat 180
cgtgatcgga gcggcgaacg gggacattcc ggggctagcc tcggacccta acttcgcgaa 240
aacgtgggtg aacac 255

<210> 22467
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700952523H1

<400> 22467

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tgaaaagaaa agtggatcta aaaatgtaac tcatagggaa actcaagctt ttcgtgggca 180
gtaaaaataa gtaacttgat cttgtacaaa tcttcattgt tttgagcttg ataatgtcag 240

gtaagtacgt tatt

254

<210> 22468

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700952524H1

<400> 22468

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accaacctct gggttccgca gcatgtctcc tgatgagtca aaggagataa agaatatata 120

tattgactct tctggaggga agccagttac tttacagaga tcagggtctt taagttcaac 180

aaaagtagat ctcccagagg aattcaagga aatttgcaac ttaggaacaa tgaagcagag 240

tcctgcaaca ggagc 255

<210> 22469

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700952527H1

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gattttgctc acaccgatat ctagagtggg ccagctccaa acccgaacga ggctgcagta 180

cgcaacaaga agaagcacag tcgtttaggg agaaagagag aaaaaaaggc taaaggtaca 240

cctacataca c 251

<210> 22470

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700952528H1

<400> 22470

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002230" EFFE560

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tggcgcgttg ggtgaaccga gccataaagc acaggttctg ccccatccta gccacggctc 180
agaaagaaaa caaatcagtg gatcttcaag acctcttgct tcggctcact ttgacaaca 240
tatgcggctt gg 252

<210> 22471
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700952529H1

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tagagaatat agatgatatt gtctataatg atagaaaaaa ataaaaaact ttcgaaagat 180
tttatccaat tgaaatttta aaaatgactg ggataaactt aagaattcaa ttattgaaat 240
tgaataagta aaca 254

<210> 22472
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952530H1

<400> 22472

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gccctctctt cttcgcc 77

<210> 22473
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700952531H1

<400> 22473

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002250" E T T E E 6

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ccccaaaacg acaccgcttt tacctactcc gccaccagtt cctccgcgcg tgagaaagac 240
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<223> Clone ID: 700952533H1

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<223> Clone ID: 700952534H1

<400> 22476

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<223> Clone ID: 700952535H1

<400> 22477

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<223> Clone ID: 700952536H1

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 aggaatcaca att 253

<210> 22479
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<210> 22482
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<223> Clone ID: 700952541H1

<400> 22482

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<223> Clone ID: 700952542H1

<400> 22483

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acattggaca tgcctttaa ttcgagtgtg ctgtagtgtg tgcagaggcc acagagagaa 180

atggaagaag catgctgtgt atgcttagtt gtcatactga tacttgctct aacattggca 240

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<223> Clone ID: 700952543H1

<400> 22484

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atggaactaa tcttttgaag gtgatgtctc caaacaatca ccacattcct tgggagaatg 180

cagtgtatga gattcaagag caattcatga agattgcttc ttgttggtca agatctctct 240

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<223> Clone ID: 700952513H1

<400> 22485

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<223> Clone ID: 700952468H1

<400> 22486

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gaggcggttt tagcggaacg cattcagata 150
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<223> Clone ID: 700952469H1

<400> 22487

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ccaagccgat taccctgact actacttccg cattaccaac agcgaacaca tgactgatct 180
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<210> 22494

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700952477H1

<400> 22494

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tctgtggaac atgcaagctt tttgatgatg atatatctaa gcagcagtac cattgctgtg 180
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gttgcta 247

<210> 22495

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700952478H1

<400> 22495

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catttctttt aaatcaagct gcaagtagca gatctgtggg aaaaactcag atgaatgaac 180
aatcttctag aagtcatttt gtattcactc ttcgaatata tgggtgtaaat gagggcattg 240
cccaccaggt ac 252

<210> 22496

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700952480H1

<400> 22496

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aattccaact tgtaatcaat ttttctttcc atttgacaca ccataccaat caaccaacct 180
tgttgcttct tgtgatcact cctgaaccac actaatggat attgatgagt gggagtttct 240
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<210> 22497

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700952482H1

<400> 22497

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tttctgatgt gacctggtgg gaggatttcc aacttcccga tgtttgtgtg atccgtagag 240
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<210> 22498

<211> 143

<212> DNA

<213> Glycine max

<223> Clone ID: 700952483H1

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<210> 22499

<211> 199

<212> DNA

<213> Glycine max

<223> Clone ID: 700952484H1

<400> 22499

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tacgttccca cttgggcttt tgatcacatc aaatacttca atggagggtc tgagattcaa 180
cttcatcttg acaagtaca 199

<210> 22500

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700952485H1

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aggatcatgat cgcgaatctg aggaggaatt gcaagccagt tcgtggagcc acgttgagcc 180
agagaggggtg aagaaaaagg agaatccgat accacctcct cctcctcctc cggagaaatt 240
gcaacaagag cctc 254

<210> 22501

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700952486H1

<400> 22501

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atggcacttt cttcttcac ctttcaaca tccatatttg ctttagcttt gttcactctt 180
ttgcttatag gaagttcttc agctcaactc tctgagaact tctatgatag taaatgtccc 240
aaggttttct atgc 254

<210> 22502
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 <223> Clone ID: 700952487H1

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 tccatctgct ccccatggag ttcgactttt gatcgaggac tatccttatg cttctgatgg 180
 gctagagata tgggatgcta tcaagtcttg ggtggaagaa tatgtctcat tctactacaa 240
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 <223> Clone ID: 700952490H1

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 aaaaccttcc ccttcttctg atttgtagag actaacccaa gaaagaacca accaaaaaca 180
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<210> 22504
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 <223> Clone ID: 700952491H1

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253

<210> 22505
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<212> DNA
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<223> Clone ID: 700952493H1

<400> 22505

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gaaaatggga g 251

<210> 22506
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<223> Clone ID: 700952494H1

<400> 22506

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gacgacgatg acagaggcga agaggaaagg gatcaggtag aacaagagaa ggatgtggag 180
aaagaggagg aaaaggagga ggaagaagaa gaaaagga 218

<210> 22507
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952495H1

<400> 22507

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gtaaaactaa tcccagtcac aacagaaata atcaatggca ccgaaacaga ccaaggctga 180
gaagaagatc gcttacgatg cgaagtgtgc gacctaattgg aggagtacgg ccaaattctc 240
gttgtaaact ccga 254

<210> 22508
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700952501H1

<400> 22508

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gaaagctaag attcaagaca aggaagggat cccacctgac cagcagagac ttatctttgc 180
gggtaaacag cttgaggatg gtcgaaccct tgccgactac aactccaaaa ggatcccact 240
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<210> 22509
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952503H1

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ttcgaccttg tttttttttc tgcttcggtg ttttcatgga gaaagggata ggagtagtaa 180
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tttg 244

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<211> 254
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<223> Clone ID: 700952509H1

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tgcgtagtat tagg 254

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<212> DNA
<213> Glycine max

<223> Clone ID: 700952510H1

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catgtaacag 250

<210> 22512
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952467H1

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<210> 22513
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<223> Clone ID: 700952512H1

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<210> 22514

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<212> DNA

<213> Glycine max

<223> Clone ID: 700952435H1

<400> 22514

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<210> 22515

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700952436H1

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 aggcggcgga tgctgccatc tccggcgacg gcaaacaatga ggaaagccga tgcacgatg 180
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 <223> Clone ID: 700952437H1

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 <223> Clone ID: 700952438H1

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 tctttaattt tctccttctc ccatggtgta attgctccaa ctatggccgt ggacctcatg 180
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 gccgtccaag aagccgc 257

<210> 22518
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 <223> Clone ID: 700952439H1

 <400> 22518

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<210> 22519
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<223> Clone ID: 700952440H1

<400> 22519

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tatcagaagg aaacgcgaaa aaagaccaa a 151

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<212> DNA
<213> Glycine max

<223> Clone ID: 700952441H1

<400> 22520

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ttccggatgc cgacaagcta gagagactga aattggctga gattaagcat gctaggattg 180
ctatgttggc tatgctgatt ttctactttg aggctggcca ggcgaagaca ccccttgggtg 240
ctcttggctt gtaagcaa 258

<210> 22521
<211> 244
<212> DNA
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<223> Clone ID: 700952442H1

<400> 22521

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gaagaggatt tggacgcggc cgtggtggcg gcggtggctt tggccgtgat ttttccaatg 120
atgataactc atcggcccct gctaaccaag gatcttttga aggagattct gggaatccct 180
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<210> 22522
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<223> Clone ID: 700952443H1

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tcgccctggc ctcaaattgg atgtcatggt tgatctgttc ttctatagag aaccagagga 180
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<210> 22523
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<223> Clone ID: 700952444H1

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atttttctc cctccacaat tttttttcta cgatcccta tttctctctc ttcttgact 180
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<212> DNA
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<223> Clone ID: 700952445H1

<400> 22524

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 cgcgcattct tcctttcccc ttgtttctc tcttactcct ttgagtggcc gtccaatttc 180
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<223> Clone ID: 700952446H1

<400> 22525

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 ctatatacgt ctccggtggg gcctcctc 148

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<223> Clone ID: 700952447H1

<400> 22526

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<223> Clone ID: 700952449H1

<400> 22527

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002230 E F F 50

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 aaaacatcca atccagaacc acaataactt tcaaaacttt ttcttctgt gttgccttca 180
 acgttagttc taattcattt acaacaccaa gaatacatca tttgattgat tcaaacattg 240
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 <223> Clone ID: 700952452H1
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 gacgacggca aggactacca ggagccggcg cccgcgcccc ctggttgacc cgacggagtt 180
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<210> 22529
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 <223> Clone ID: 700952453H1
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 ttctcgtgaa agggagttag taaagttttg tactgttgtc tgatgattag ttaagtggct 180
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 agcataataa gtt 253

<210> 22530
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952454H1

<400> 22530
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 tgaatgtgcc tgggtcatct aatgaacctg aacaagggtga gaaaacttgt tcagccatgg 180
 aaaacgctga gcatgttata gatatttcca actcgggtgt gggaaattct ctagactcaa 240
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<210> 22531
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 <212> DNA
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<223> Clone ID: 700952455H1

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 gagattccac ctctgccttg gtatcgtgga acaattcctc agatggcgat ggcaggattt 180
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<210> 22532
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952456H1

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 ttcaccgtta cgagtgaagt cgaccctcc tcttgcctt ccttctcttc tcttctcttc 180
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<223> Clone ID: 700952457H1

<400> 22533

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 cctactcttg cgtcgggtg tggcaacatg accgcgttga aatcatcgcc aacgaccaag 180
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<210> 22534
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952458H1

<400> 22534

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 aaaatcttac cgaagctctt ttgccaacac gagatgcaca acaacaacat caaacagacg 180
 acgaggaaca aagatttggg gacaagctct ggcttgaaac aagaagttat ggctcaatgt 240
 gggggcctct ata 253

<210> 22535
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952460H1

<400> 22535

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 agtcttatat tttattttat ctccaaggga acctgctagt agtctcattt ccattgaata 180

002260" E T F E S 60

accccagagc tcctctctac aatgacatcc gaacatcaga aggagccaag cgccaacagc 240

aaagatattg tgg 253

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<213> Glycine max

<223> Clone ID: 700952465H1

<400> 22539

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gaacaagatc ttgaaggtca tccgtaagaa cttgggtcaag aagtgccttg agctcttctt 180

tgaaattgca gagaacaagg aggattacaa caagttctat gaggctttct ctaagaactt 240

aaagcttggt atccatgag 259

<210> 22540
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952434H1

<400> 22540

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ttggcgagtt atgatgatga agaggagtca tcttcattga aacctactgc tgaggtttct 180

acatcaaacc caaaatcgaa gaagaagaaa aagaagaaga acaaggatag tgctgttgcg 240

aataaaacgg gagaagat 258

<210> 22541
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952402H1

<400> 22541

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 aaacctcatc attctcagcc tatctcaatc actaactggg ttagactctg acaattcaga 180
 gcgacttagt tgtgcttgct gagttgtaca actgcatgga agaacttttc cattctccac 240
 aaaccaaaca aactcttcta cgctacca 268

<210> 22542
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952404H1

<400> 22542

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 agaaacttgc aaaacgttac ttcaacttca agctggagaa tcgccaccat gccattacac 180
 atcctcaacc agaggagtta tcatcttcac ttcttgcggt taaatcctat gtgtccaaat 240
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<210> 22543
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952405H1

<400> 22543

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 agcctccagc ggttatgcaa aaccctagtg attcggaccc tttgctccat aaccaggagg 180
 aggaggagga ggatgagtca ccgggaagct ctggtgagat caagaatgag gaagaagacg 240
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<210> 22544
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<212> DNA
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<223> Clone ID: 700952407H1

<400> 22544

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tacctttttg gtcattccac acaacatac 89

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<212> DNA
<213> Glycine max

<223> Clone ID: 700952409H1

<400> 22545

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aacactgtca tagtaatttt gggcataga actgtgtatc agaggcagca aatcagaaga 180

gtttatgagg aaatttacca ggaggatctt gtgaagcgcc tagagtctga gatcaaagga 240

gactttgaga aagccgtgta 260

<210> 22546
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700952410H1

<400> 22546

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gttgaagtgc caaatattta gatacactac atatagtata tgctataatt tctcaattta 180

agtgttagta tatgactcca aaaaaaagac tagtatacta aggtattaat atagtatgct 240

actggtggag gagggggg 258

<210> 22547
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<210> 22550
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 <223> Clone ID: 700952415H1

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 agtctgatta tccaaagctg aacaagttag tgcattgattt attgaatatt gatcctgcaa 180
 ggcttgaggt ttttatagct ttgctgtttg tgggaaaggg aagatgagaa aaaagcttac 240
 aatatgtgag cagag 255

<210> 22551
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 <212> DNA
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 <223> Clone ID: 700952416H1

 <400> 22551

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 tttccttttt ctccctaaat tcttttcaaa atttcttttt gctttgcttg cccaaattcc 180
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 atgcaacttg ggaaatgggt t 261

<210> 22552
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 <212> DNA
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 <223> Clone ID: 700952417H1

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<223> Clone ID: 700952418H1

<400> 22553

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<210> 22554
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<212> DNA
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<223> Clone ID: 700952419H1

<400> 22554

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agctccacta aatatttatg gatacccggt acggctgggt gaaaaagagt gctcctacta 180
tttgaaaacg gggcagtgc aatttggtat atcttgtaaa ttccatcatc ctcaacctgc 240
tgg 243

<210> 22555
<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: 700952420H1

<400> 22555

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atttgtgaat ttgcttgcat tagcaagatc atat 154

ctgtttttga caactttata gatcgccac gtaagcatcg gagctccgag agaattatcc 180
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 ggtgcacgga ggaggagat 259

<210> 22559
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 <212> DNA
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<223> Clone ID: 700952425H1

<400> 22559

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 ggctgttaat ttattccagg ctccagtga ccagtcagat gctgctcgtg ttcgcaagga 240
 atatgatgaa tcaagtgc 258

<210> 22560
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952426H1

<400> 22560

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 ttctctcaaa ttctccctc atctctcaag accaagcccc tcatggcgcg cgctccattt 180
 cactcaagt tgtgaggaac cgaatgaaga gtgtgaggaa tatccagaag atcaccaagg 240
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<210> 22561
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952427H1

<400> 22561

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<210> 22562

<211> 257

<212> DNA

<213> Glycine max

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<210> 22563

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700952430H1

<400> 22563

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caactctccca cttcaaaatt catgtctccc tcttccctcc acgcgctcct catcattctc 60
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<210> 22570
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952365H1

<400> 22570

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<210> 22571
 <211> 271
 <212> DNA
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<223> Clone ID: 700952366H1

<400> 22571

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 atcgtgctgc tcgtgctttt cgcgggcctc a 271

<210> 22572
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<212> DNA
 <213> Glycine max
 <223> Clone ID: 700952368H1
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<210> 22573
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 <223> Clone ID: 700952369H1
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<210> 22574
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 <213> Glycine max
 <223> Clone ID: 700952370H1
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 gggtcagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca tggtagggcc 180
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270

<210> 22575
<211> 267
<212> DNA
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<223> Clone ID: 700952374H1

<400> 22575

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gtcaaggcca agatccagga caaggaagga attcccccg atcagcaacg tctcatcttc 180
gccggaaaagc agctcgagga cgcccggtacc ctcccgact acaacatcca gaaggagtca 240
acccttcacc ttgtccttcg tctccgt 267

<210> 22576
<211> 264
<212> DNA
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<223> Clone ID: 700952375H1

<400> 22576

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taactcccat ttcttattta ttattgaatt aaccgatcaa cttgctttgt tatcgaacat 180
ttctttttga tttcaaaaat tttccgaaa aaatttgaat ctatttttat atgcgaatca 240
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<210> 22577
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952376H1

<400> 22577

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 aggacatggg ttgagtatgt aaagtcacag cgcaagcaag cagtgtctgc ttgaccaaca 240
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<210> 22578
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 <213> Glycine max
 <223> Clone ID: 700952377H1
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 acagttggtg ggtattgagc aagaccctgc caagttcact ccctcgaaca cgagatttca 180
 gcgtgggagt tcgagcattc gcaggaagta caagactcac gagatcacgg gatacccaat 240
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<210> 22579
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952379H1
 <400> 22579

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 tcttaggggt gaggtatttg atggggcaga agcagtgcgt aaaatggaga actggttgat 180
 tgaaaatcat gggtttcagc cacagtatgc tgtgtcagag ctgtccgaga aaaacttctg 240
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<210> 22580
 <211> 272
 <212> DNA
 <213> Glycine max

<210> 22586
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 <212> DNA
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 <223> Clone ID: 700952390H1

 <400> 22586

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 atggatatctg ttgagaggat caaacagttc acaaatatc catcggaagc ttcattggaac 180
 attaaggatc gctgcctcc tgcaaattgg cccggggaag gccatgttga tatcaaagac 240
 ttgcaggtca gatatcgtcc aaac 264

<210> 22587
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952391H1

 <400> 22587

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 tgctgtgcc aatgatcttg gcttcattct tgagcaagg ttcttgaagg ccattgtcag 120
 tttgtcaca atgcaattcc agctttgcac tgtctttttc acattttcct tgggtacaag 180
 aacacattat tttggtcgga caattcttca tgggtggtgca aggtatcaag caactggccg 240
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<210> 22588
 <211> 267
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952393H1

 <400> 22588

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 gcccaagccc aagcccaact cctgaccggg cccaccaatc cattcaccat tccctcccg 120
 agcccagccc accgcccccc gccgcgcctc cccaccatcc gcgcccgaat tccccgcaca 180

<210> 22597
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 700952334H1

<400> 22597

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ggaatttctc agcgttttgt tctgatatcc aaaatcctgg ctatgttgat tgccattcaa 180
attgtaataa gtctacatct caagcgtctt tgtttttgtg ttccgactcc aacagtagaa 240
gaaatggtgt ttttggtaga ccactttgtg tgaacc 276

<210> 22598
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700952336H1

<400> 22598

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accgccaag acgcggtgag gattcgacgg ttggagaagc agagagaagc ggaggttcgc 120
aaaatccaag agtcaaaac caagtcgacc tccgccaagg gccaaaccgg tctcctccaa 180
ttcggttcca gcacttccga gattcttgag actgccttta agaaggaaac tgtgggtttg 240
gtcactagag agcagtatgt agaaaagagg 270

<210> 22599
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700952337H1

<400> 22599

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tttctacttt gtgccttcac cacctcatal ctaccttcaa ccaccgcggt ggtcgatacc 120

ctccctttca ttttctctgc atctgtactc tccaaaatgc cgtccttaga ggaggagctc 60
 ttcccttcaa ccccaggcaa gttcaagatc gagcgggccc accacatgaa ccgccagctc 120
 taccgctgct tcgcctccac cagcaacatg ttctgtggg cctcctttt taatcgccct 180
 aacggttcca aatccaagct tccagggtt cgttgattcc ggaagcggta acttttcggc 240
 ctctggggc g 251

<210> 22611
 <211> 191
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952354H1
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 gttttattga ttaatgaaac tgggtgttgc gatgatcagg ccagggccaa aatcaataa 120
 aaaaaatctc aaaattgttg attttggaca ctataaatg atttgagggt gaagaaaagt 180
 tatgaaaagt a 191

<210> 22612
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952355H1
 <400> 22612

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 acttggtgcc ggagtgttga atgatcactg ggtgtctgtc acttcaggaa gtgaggatta 180
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 caggtttgaa cttgacatgt tgttagagt 269

<210> 22613
 <211> 270
 <212> DNA
 <213> Glycine max

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 tgtgatcaaa tctaagctaa ccattaacaa gtacatgtgg tcttggagat tagctgttgt 180
 aaaactagaa tgaactccgt tgcaaaaatg gtcaattctt ttggcc 226

<210> 22630
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952316H1

<400> 22630

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 gacacgagca agaccggag ccgcagccag aaacagaacc agtgccaaca gagcaaacac 180
 aaccacaatt ggagccgaaa tcgaaatcca cgcccgaacc agaaccaaat ccgcagccag 240
 aatcggagcc agtgccaaca gagcaaacgc aagca 275

<210> 22631
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952317H1

<400> 22631

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 ttaggagtgt aaatgcaaag ggtaaggaaa tttcagcttt ggatagggat gattggaatg 180
 gtaagttttt cccttgatgat gatgagcttt ctagcattga ttatagtaag gagttaactg 240
 tgagtgtctc tcctttgggtg gatgatgaga aggcaa 276

<210> 22632
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952319H1

<400> 22632

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 tggggtgttc ctcatgtcac ggaagtaaag gcaaaaggag gtttctcttc ttacctatat 180
 gaacttttgg tgttgaattt ggttgggtgtt taaattattg aagagtgtat tggaagattg 240
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<210> 22633

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700952320H1

<400> 22633

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 gcaaaaatca agaatccaaa gcaacttcca ccattaccat taagggtttc atgagccttc 120
 taatgaaaag tgtagatgag aatgggtgatg gtagcaagag agttatttct ctgggtatgg 180
 gtgacccaac tctcaccact tattttccca tctcaaagt agctgaaaaa gctgttgctg 240
 aagcacttca gtcacacagg tttcgtggct atgctcc 277

<210> 22634

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700952321H1

<400> 22634

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 agagagaaat ggctaggtgg tgcatcttgg tggttcttgc ccttgctgtg gttgcaagtg 120
 ccagaaacat gcccaatgac gcaggtttgg aggaccagaa gaacttcctc gggatatgggt 180
 tctctggagt tggcaacaat gggcttcctt ttggaggagt gggttctggg tttgatggta 240
 atatgggtgg gccttctggg ctcggtggat tt 272

cactttctac agaccaatt tacgagacca atcggtgacc atcgattttc ctgcgattt 240
tctggggata tcgatgctgg agcagccgaa caaa 274

<210> 22638
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700952325H1

<400> 22638

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gaaaaataact agtctgcctt cgaggtaata aattaacttc agccagtggag ggtgaacagg 120
gtaaacttgc tggcgctgtg gcagttctag tgcaaaatga tgaccaagt gataatttac 180
ttctggccga gaatcatgta ttaccgcgtg caagtataag tggaacggga agtcataata 240
ttaaaaacgg tacaggcaac aatggcaata ac 272

<210> 22639
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700952293H1

<400> 22639

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gaaaagtctg gagggtcttg gtgggtgttat cgggtgttggg gggagtggag ggacgtcact 180
cttgtcgtct cccttcgcct ctctcccaat tgggggttggg ggcagggcga tggagaattt 240
ggtta 245

<210> 22640
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700952257H1

<400> 22640

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cattgcgatg gtccctgcgg atgttgacgc aatgtgattt ctgccagtg ctctgaatgt 120
caaagtgaag aaattcaacc aagcgcgggt aaacggcggg agtaactatg actctcttaa 180
ggtagccaaa tgcctcgtca tctaattagt gacgcgcgatg aatggattaa cgagattccc 240
ac 242

<210> 22641
<211> 244
<212> DNA
<213> Glycine max
<223> Clone ID: 700952258H1
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agaaaccggt tcagatcctc accgccggat cgccgcctcc tgcggcgggtg ctcttcagaa 120
cagaggcttt ggggtttgtc gtgagtcacg ggtatggttt gactgagagc agaggattgg 180
tggtgtcatg cgcgtggaag ggggagtgga acaagttgcc ggcgacggag agggctcgac 240
tgaa 244

<210> 22642
<211> 170
<212> DNA
<213> Glycine max
<223> Clone ID: 700952259H1
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cgccggcggg tgcagccacc acgacgaggg catgcggcgc atcatcggat gtgtcggctg 120
ctgtggtgac cgaatgagca gtattgggggt gtgttctgcg tgtggatggt 170

<210> 22643
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<212> DNA
<213> Glycine max
<223> Clone ID: 700952260H1

<400> 22643

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 gggtcttggga gtggccaata gctttgattt tcacgacaag gatttggcgt ccgaggcaag 120
 cttttgggac ttgtacgaga gatggaggag tcaccacacg gtttcgcaaa cctcggtgac 180
 aagcacaagc ggtttaacgc gtttcgagca aatgtgatcc atgtccatga cactagcacg 240
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<210> 22644

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700952261H1

<400> 22644

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 cactaagcgt ttcccacagg gccttcctcc tgagtgcaca atcgcatgaa aacaaaaacta 180
 tttcatatta taaacctctc atacctcatg aattcatttt ttttttttct tgtcttgtgt 240
 aaattaata 249

<210> 22645

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700952263H1

<400> 22645

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 acttgtttca ttttctctcg aagcaagaaa aatgttcac gagagtttca aggttgagag 120
 tcctaacgtg aagtacacag agactgagat tcagtccgtg tacaactatg aaaccactga 180
 acttgttcac gagaacaaga atggcactta tcagtgggtt gtcaagccca aaactgtcaa 240
 atatgaattt agaaccaaca ccc 263

<210> 22646
<211> 262
<212> DNA
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<223> Clone ID: 700952264H1

<400> 22646

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ctcatcgctg cgggctatct cagtctcaat gctttcggca aacgaaaaaa ctcttacctc 180
gctctctttc tcgagaccgt ttgtgcagcc atactaactt gggcatggg gcagcgatat 240
ttggaaacat ccaagattat gc 262

<210> 22647
<211> 239
<212> DNA
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<223> Clone ID: 700952266H1

<400> 22647

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gcgtggtggc caccactga acacatttgc actcacacat agaagcagag agaggccatt 180
ggttggtttc agagatggga agcatgcaca tagaaacccc agaaactttt gctgatggg 239

<210> 22648
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700952267H1

<400> 22648

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attgatactt tgatcaagat ggatgggaaa aactctcttc aaataactag aagtgggtatt 120
ggtgcttatg atgatgatgg acatgccaaa aggactggga atttgcagag tgctgtagct 180
catatcatta ctgctgttat tggttctggg gttctttctc ttgcatggag cacttccca 239

<210> 22649
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952269H1

 <400> 22649

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 tctgtttcgg ccacaactga aatttcaggg aatgaagtga acacagatgg gaaggtgata 180
 aatgaagagt tagcaaaacc aagtctaaaa ggacatgatg aagaagcaaa gttcaa 236

<210> 22650
 <211> 226
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952270H1

 <400> 22650

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 gtggtccttc ccatctcggt caccatttgt ttctttacat accttgggga tgtaagatct 180
 gagtggaagt cctataagac gcgtcagaag gaacatgatg agaatg 226

<210> 22651
 <211> 234
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952272H1

 <400> 22651

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 ttcgatttga tcttgcaagt gtcctttgtc gaggaattga tggctcccc attaatgccc 180
 ccccgcttat tagggcaatt gctaaagatg cagtattatc aagatgtaaa atta 234

<210> 22652
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952274H1

<400> 22652

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 aacaatggaa gttttgaaag aaaggggaaca ggcactgcaa gatcagttgc agcatgccaa 120
 agacagtgtt tctactatgc agaaattgca tgaactcgca caaaaccagt tgtttgaact 180
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 tg 242

<210> 22653
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952275H1

<400> 22653

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 gttcagatac catagataat gtaaagtcca agattcaaga caaggaaggg atcccaccag 180
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 ac 242

<210> 22654
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952276H1

<400> 22654

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002320 "E" F F 550

cgcttctctg aatccctttc tgctaatacat ctgtctttca agctaagatt ttctgggttg 180
tcttttaatt caccaaaaag caaacttaga aggatttttc gaaagccagg tgttttcaga 240
aacg 244

<210> 22655
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700952278H1

<400> 22655

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ggatgatgat gatccttgga tcagaaccac tgattttact cctagtgggg caattggctg 180
atgcaatttt tatagaattt caatcccacc tcgccatggt gcgaaattga tgaaggccat 240
gctttat 247

<210> 22656
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700952279H1

<400> 22656

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aagtatgaag gtgtaagccc cgctggatca cacaaccaa actctgctgt tccacaagcc 180
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ggaagtgcac tggcctt 257

<210> 22657
<211> 253
<212> DNA
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<223> Clone ID: 700952280H1

00341.03200

<400> 22657

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ctggaaactg agggagatat ttgctactgg cggttggtgta ggaagttaca tggcactaat 180
gacagtagta tttttctggg caatgacaga tagcaacttc ttctcgaaca aagttgggtg 240
gaggccattg aga 253

<210> 22658

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700952281H1

<400> 22658

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cccattgcaa ggaaatttac aggcaatgaa aggggctttt cagagttgca aagaatggga 180
attggccttt ttatttcagt cctgtgcatg tcagcagctg ctatagtgga gattgtgcgt 240
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<210> 22659

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700952283H1

<400> 22659

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gtgggatatc caattggggg tgacacaatc tctgtgacaa gtggtgttgt ttcacgcatg 180
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<210> 22660

<211> 234

<212> DNA
<213> Glycine max

<223> Clone ID: 700952284H1

<400> 22660

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cattcctgta atatccacca ctgttgcaag tcagaagaac tactacaccc cagatccaca 180
tgctggaagt cccccacag gctcacacaa tagtagtctt ccatctcatg gccca 234

<210> 22661
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700952286H1

<400> 22661

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agtgtcactg attggtgccc tgaacctggt ttctcgcaac ctccctcttc ccccagacct 180
ctttgacacc gtttcttcta tctatcaccc atctaactct ctctcttccg ag 232

<210> 22662
<211> 167
<212> DNA
<213> Glycine max

<223> Clone ID: 700952287H1

<400> 22662

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gcgaaatcga gttctaaccg tagatcgtgc ttttgcgtct gagaagc 167

<210> 22663
<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: 700952256H1

<400> 22666

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acagagccga tacctttcag aggaaaggct cctaccctcc ccctaagggc gccagccttg 180
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<210> 22667

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700952225H1

<400> 22667

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gggccaagat ccgggagatt ttcatgccgg cactgagctc caccatgacc gagggcaaaa 180
tcgtctcttg gaccaaacc gaaggcgaca agctctccaa gggcgacagc gtcgtcgtcg 240
tcgagtccga 250

<210> 22668

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700952226H1

<400> 22668

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ttgcagtttg gggttccctt gttgcttggt atcaccttct gttatgctac ttctactgct 120
gcagcaacaa ctcaagtttc agggaaatgaa gagctgccaa agacaaacct acatgggcat 180
gatgaagaag cagaattcgg attttttcat cataaaccaa tattcaagaa acatattcca 240
attccagtat a 251

<210> 22669
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952227H1

 <400> 22669

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 agatatcagc agtccttgcc agcctccaat tcaatgttat cgcagctgaa gtttggactc 180
 ataacaggag aattgcttgt gtcctttatg tcaatgatgc taaaaaccaa gccatggatg 240
 actcaaaaag 250

<210> 22670
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952228H1

 <400> 22670

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 gaagagtgtc ccacatcgag acttctataa tgttagaaaa gttgatactc atgtccacca 180
 ctcagcatgc atgaatcaga aacatctttt aaggttcata aagtcaaagc tgagaaaaga 240
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 <213> Glycine max

 <223> Clone ID: 700952229H1

 <400> 22671

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 ttggagaaaa ccagtgatct actgggggttg cctattcgtc attatcgatg tatttgtact 180

gattagcaat gcattttatc ttccgggaag ctacatgcat acttactcaa atggagatcc 240
gatatatgcc aaggтта 257

<210> 22672
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<223> Clone ID: 700952231H1

<400> 22672

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ggaaaatcct gcttgcttct cagattcgct gatgactcct atgtcgacag ctacataagt 180
accattggag ttgatttcaa aatcagaacg gtggagctgg aagggaaaac cgtcaagctg 240
cagatttggg a 251

<210> 22673
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<212> DNA
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<223> Clone ID: 700952232H1

<400> 22673

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cgtaaacggc tccgtcacgc cgcttgctct tctcgccgac ggccgtctat ggtgggtctga 180
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ctacataaaa a 251

<210> 22674
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952233H1

<400> 22674

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<212> DNA
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 <223> Clone ID: 700952237H1
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<210> 22678
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952238H1
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 aactggggcca aaggtcacta caccgaaggc gctgagctca ttgactccgt tctcgacgtc 180
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 ggt 243

<210> 22679
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952239H1
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 tccctaagca atcacttagt ggaaaaggaa gtgatcgagc gatgacaacc aggaggtggg 180
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<210> 22680
 <211> 242

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248

<210> 22683
<211> 179
<212> DNA
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<223> Clone ID: 700952244H1

<400> 22683

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<210> 22684
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700952245H1

<400> 22684

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acgtgccttg agcattcaat aattaccacc aactcgccaa agtcacttaa ttataaacgc 180
ggaacgattt caccaggaga agcagaacca tcgctcaagc tcacactcac agtaaaatc 239

<210> 22685
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700952246H1

<400> 22685

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ccgattttga tcacttttcc ggtatgaatc gtttgcgaca ccccatgtgt tgatttagaa 180
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<210> 22686
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952247H1

<400> 22686

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<210> 22687
 <211> 288
 <212> DNA
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<223> Clone ID: 700952248H1

<400> 22687

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 gaaggtcaga atgctctctg caaccaagga acatgaatat cacaagacta cagggagggtg 180
 tgaatgtcag cagtagtgac aatcccaaac ctaaaagttt aggtccagac agttcaaagt 240
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<210> 22688
 <211> 187
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952249H1

<400> 22688

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ccagttatct gtagtttggg gcatgggtaa tcatctcaag gctgttaagg atagttcgga 180
gctacgt 187

<210> 22689
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700952252H1

<400> 22689

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tctagtgcgc actggcacca agtctaacaa gaggctataa tatatggatg atatgctgaa 180
cctatgaact atgtctacta aattatgagt ttttcaatct ctaaattctc tctaaaag 238

<210> 22690
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700952253H1

<400> 22690

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gcaccagcc gtttcaactc ttctctgcc aagtgtccc tcgaccacat ccccaaacag 180
ttcagaaagg agaatctcaa agatggattg atggaaaact acaagaatgc acctcaatct 240

<210> 22691
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952254H1

<400> 22691

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tcagcattag caaaatctga taacccccca gtcctagaca cacaaggcaa ccctcttgag 180
cctggcaaag attactacat caaacctgcc ataaccgacg ttggaggccg cgtcactt 238

<210> 22692
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700952224H1

<400> 22692

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ctgtttttga caactttata gatcgccac gtaagcatcg gagctccgag agaattatcc 180
aaatccacgg cgtcccctgc gacgccgtca ccgccttcgt cggattcgtc tactcctcca 240
ggtgcacg 248

<210> 22693
<211> 130
<212> DNA
<213> Glycine max

<223> Clone ID: 700952178H1

<400> 22693

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attttataaa acgagaacag agtccctaca ttagaggatc agaatatctt tctttgtttc 120
ttagatctgc 130

<210> 22694
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700952179H1

<400> 22694

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actacatttc cattgttacg attctttctt tccatcccaa ccacttatta agcgtctgat 120

<400> 22697

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tcccaattca aatccaaacc ctaatttctt ccccgaccaa tctcaaacc tgcacttcga 120

ctccctcatg cctccgcaac ccgaatcccc accgcccac catcaccact cccccgacgc 180

ctctccaccg gaatcctccc cgtcgcgcgc gcctccgctg atcctctacc tctccttcaa 240

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<210> 22698

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700952187H1

<400> 22698

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gttgcgggcg cggaatggc ggagcgcttg gcatacatat tcgggacgga gaaggacagg 120

gtgaactgcc cgttctactt caagatcggc gcgtgcaggc acggcgaccg gtgctcgcgt 180

ctccacacga agccgagcat aagccccact attctcctct ccaacatgta ccagcgcctt 240

gaca 244

<210> 22699

<211> 131

<212> DNA

<213> Glycine max

<223> Clone ID: 700952188H1

<400> 22699

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aaatttttgt t 131

<210> 22700

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700952189H1

<400> 22700

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caacagagtt gagtccgtgt cttccagcaa tcacttccgg tgctaaacct tccaatgctt 180
gttgcacgaa gctgaagcag caaaaacccat gcttatgtgg ctacctcaaa aacgctagct 240
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<210> 22701

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700952190H1

<400> 22701

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gtctcattct actacaagtc agatgaggaa cttcaaaaag accccgagct ccaagcttgg 180
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<210> 22702

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700952192H1

<400> 22702

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<210> 22703

<211> 240

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700952195H1

 <400> 22703

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 ctctagctcc gataggcccc tgtggtatcc gggcgccaag gcgcccagat acctggatgg 180
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<210> 22704
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952202H1

 <400> 22704

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 tccaatgctt gttgcacgaa gctgaagcag caaaaacccat gcttatgtgg ctacctcaaa 240
 aacgctagct tgaagcagta tgtaa 266

<210> 22705
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952203H1

 <400> 22705

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 tccgtaatat agagcctcat gatggttgta gcttcacttg ttccaattat ttcttcttga 180
 tcatagtaaa tgaaatctca attatttctt c 211

tttctaagaa aggctcacga tgctgatgaa gaatctaaca aaatgattct tgaaaccaga 240
aataactgaa 249

<210> 22709
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700952208H1

<400> 22709

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agacataatg gcggtggagt acacatgctg ctcaacggcc ttcttcgttc acatactggt 240
catcgtgctg 250

<210> 22710
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700952209H1

<400> 22710

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ctggagagtg c 251

<210> 22711
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700952213H1

<400> 22711

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gcctacttca agagatatca agtcaagttc aagagaagaa gagagggaaa aaccgattac 120
cgtgccagga ttcggttgat taatcaggac aagaacaaat ataacactcc gaaataccga 180
tttgttggtc gctttagcaa caaggacatt gttgcacaaa taatatctgc tagcattgct 240
ggcgatattg ttcttgctgc 260

<210> 22712
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700952214H1

<400> 22712

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tcaatggagg tggcaaaaac ccaacattca atgaaaactt gaggttgaag atcacccaaa 240
tgaatgctgt tctgaaatgt ga 262

<210> 22713
<211> 253
<212> DNA
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<223> Clone ID: 700952217H1

<400> 22713

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tttatggaaa tga 253

<210> 22714
<211> 269

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002220" E T F E 50

<212> DNA
<213> Glycine max

<223> Clone ID: 700952218H1

<400> 22714

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gcccccgctc gccgtggaac gccgacct 269

<210> 22715
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700952219H1

<400> 22715

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gcaattg 247

<210> 22716
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700952220H1

<400> 22716

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actcaagatt cagcccttgt ttttgttcca tgcagagat ctgtgaaagc atttgacatg 180
tggtctggga acacatacac gatattgcgt ggctactatg aatgtgtgaa ctcttgctgg 240

tttaat

246

<210> 22717
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952221H1

<400> 22717

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acatca 246

<210> 22718
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700952222H1

<400> 22718

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gttatttttag ttgaatcgaa gccgcgacca aatcttcttg atctttgcct gaggtgatgg 120
catcggcggg tgtagcacct gcttctggag taagagatgt gaatgcaaat tcggttgctg 180
ttgaaagggt gcctgatgag atgaatggca tgaaaattag ggatgaaagg gaaatggaag 240
ca 242

<210> 22719
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700952177H1

<400> 22719

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atcttcaccg tcatattcct cctccttgca atattattca ctctcacacc ccacaaggcc 180
aacggtgccca cgtgtcaccc tgaggaagaa gcgggcctgt tgggcttcaa atccggtatc 240
cg 242

<210> 22720
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952142H1

<400> 22720

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gcgacgacga agatgactat tcccactttc ttggaattga taaggggcc 169

<210> 22721
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700952143H1

<400> 22721

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gatggagatg tgtgccgcaa tatgacgctg cctatttatg taatagtacc gcgccttttg 180
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agcttc 246

<210> 22722
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700952144H1

<400> 22722

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 cgtgtgattc tcaaaattga agagatggag caggacattg taagtgaagc tagtattgaa 180
 gccaaaggcac aacttgaggc tgaaaaagcc atgcttacag aagcgctttc ggagtctgaa 240
 ttcgtta 247

<210> 22723
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952145H1

<400> 22723

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 ggtgttcagc ttgtgcgacc tctccggaac ggggctcatt gccgcttcca agcacttcgg 180
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 caagag 246

<210> 22724
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952146H1

<400> 22724

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 ggctcctgga gactccacca aagactatgt tcttgaagag aagaacaaga aaattttgga 180
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<210> 22725
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<212> DNA
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 <223> Clone ID: 700952147H1

 <400> 22725

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 tcatcaacac attctacagc aacaaggaga ttttcttgcg tgaactcatc agcaatgctt 180
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 agcca 245

<210> 22726
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952148H1

 <400> 22726

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 ccacaaaggc cagaacgtgg acctgaacgc gctcaagtcc gcggcgtgcc gcaagtaccg 180
 gctctcacgc gcgccgaagc tcgtggagat gatcgtctcg ctccccgacg ccgagcgcca 240
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<210> 22727
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 <212> DNA
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 <223> Clone ID: 700952149H1

 <400> 22727

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 actttctgca atgaagtttg ggaagaagtg gtgccaccaa ctgcagtcca tatgtgattt 180
 gtgccttcat gcctatttct ctgggggagc tccatgctct tcttgctgta gaaccttcag 240

tgcttgtaag agcaaccc

258

<210> 22728
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<212> DNA
<213> Glycine max

<223> Clone ID: 700952150H1

<400> 22728

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taaaaaagaa ctaataacca acgcacgct tcggattatc tagatctaaa gaactagtca 180
aaacaaaaaa aaatataaaa aaagatatat tatagcaact gaactattgt gaagcataaa 240
agaacaaaaa tcttatt 257

<210> 22729
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700952151H1

<400> 22729

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agcaccccaa gatctaccga atgaagctct gggccaccaa cgaggttcgc gccaaagtcca 180
agttctggta ttttctgagg aaactgaaaa aggtgaagaa gagcaatggc caagtgcttg 240
ccatcaacga gatattt 256

<210> 22730
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700952152H1

<400> 22730

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 ggtcggaaat gcttgctggg agctctactg cctcgagcac ggcatcgggc ccgatgggca 180
 aatgccaagt gacaagacag ttggcggtgg tgatgatgct ttcaatactt tcttcagoga 240
 gactggtgct gga 253

<210> 22731
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 <212> DNA
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<223> Clone ID: 700952154H1

<400> 22731

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 agattctccc tcttttctct ctgccctccg ccatgactga ggataaggag atgtcttctt 180
 ctgtcaccaa tggcgatgat tccctcactg gtcacatcat atctacaact attggaggga 240
 aaaatgggga ac 252

<210> 22732
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952155H1

<400> 22732

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 gtttgagtc ccaagtcttg aaaaaactgc tcatgatgat taccggaaac ttgcctctgc 180
 aatctatctt caagtgagca ctattagtca ggctcttata tttgtaactc gatctcgagg 240
 ttggtc 246

<210> 22733
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 <212> DNA
 <213> Glycine max

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<223> Clone ID: 700952157H1

<400> 22733

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aatcggaaga gcttctctc gacgaccaag agttacggca tcgagggagg acgagcctcc 180
ttcgattccg attcgcaccc atctcccacc tccaccttga ggaagagctt ttctgactcc 240
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<210> 22734

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 700952158H1

<400> 22734

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ccaaaccaga aaaccatgtc tacctccgca gttccctcg cactcccaac cctcactctc 120
cgaacccgac aacctctatg ttctccc 147

<210> 22735

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700952159H1

<400> 22735

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ctacctaccc ccccgcggaaggcctcagt ggaacccatt ccaaaaagcc gccgccaagg 180
ccctcgacat gttcgagagc gcgttgctct cacgcgagct cagccaaccc ctccccaaaa 240
ccact 245

<210> 22736

<211> 243

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700952160H1

 <400> 22736

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 atggaagaag ataccaatta tcacaagaga cttgtggctc ggagagtttt tgagaaagtt 180
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<210> 22737
 <211> 242
 <212> DNA
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 <223> Clone ID: 700952162H1

 <400> 22737

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 ttccgtcttc ttcgctgata gctccagtaa tcaattcctt cgcgctagat catccaacga 180
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<210> 22738
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952163H1

 <400> 22738

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 ccgctgtgtc ggaactgcga cgccggcgac gggggagaaa tcaggacgca gagcagtcac 180
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tccacgtggc cgctgctggag gagcgtcgtg gcttgtggcg gagtgtgccg cacctggagg 180
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atctctctca aaca 254

<210> 22748
<211> 249
<212> DNA
<213> Glycine max
<223> Clone ID: 700952111H1
<400> 22748

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atgatgggga ggtgactgat ttgtcgatgt gccaatggat gacgtatcga ttggtatctg 180
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tgagaccac 249

<210> 22749
<211> 250
<212> DNA
<213> Glycine max
<223> Clone ID: 700952112H1
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cttcttgag 250

<210> 22750
<211> 252
<212> DNA
<213> Glycine max
<223> Clone ID: 700952114H1

<400> 22750

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gaccatgaac atccccggacg gcgtgagcat caaagtcat gccagggtca tcgaagttga 120
gggccccgcg ggaaaattgg tgcgagactt caagcatttg aatctcgatt ttcagctcat 180
tactgacgaa aacggtaaaa gaaagctgaa aatcgacgcg tggtttggtt ctcgaaaaac 240
atccgccgcc at 252

<210> 22751

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700952115H1

<400> 22751

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ttatctgcct atttttcact gcaaactggg gcagaccttg cagagctttc gttccccgtc 180
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cctttgacc 249

<210> 22752

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700952116H1

<400> 22752

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tccatctgct ccccatggag ttcgactttt gatcgaggac tacccttatg cttctgatgg 180
gctagagata tgggatgcta tcaagtcttg ggtggaagaa tatgtctcat tctactacaa 240
gtcagatgag g 251